SEQUENCE OF EVENTS File: cm036b.17.rsoe Source: cm036b.17.pef Generated: Thu Jan 8 18:45:20 2004
M1O (053) DKF: cm036b.17.dkf Alloc: M01O_03351_04016J.SAF
Page 1 OWLT = 8:13, RTLT = 16:26

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1	M1O	03-352/00:08:13.5		GV: GV_TIME_IN_SECONDS=0,GV_LIFTOFF_FLAG=1,GV_SEPARATION_FLAG=1, GV_EXPECTED_LAUNCH_TIME=1980-001T00:00:00.000,GV_EXPECTED_SEP_TIME=1980-001T00:00:00.000, GV_TCM_CUTOFF=0,GV_UHF_BUFFER_NOT_EMPTY=0,GV_SPARE_07=0,GV_GRS_MAIN_PWR_ON_OK=1, GV_DESAT_ACTIVE=0,GV_SPARE_10=0,GV_SA_UNRESTRAIN_FAILED=0,GV_SA_IN_HOOK=0, GV_ACTIVE_THRUSTER_STRING=0,GV_SPARE_14=0,GV_SPARE_15=0,GV_SPARE_16=0,GV_SPARE_17=0, GV_SPARE_18=0,GV_SPARE_19=0,GV_SPARE_20=0,GV_SPARE_21=0,GV_SPARE_22=0,GV_SPARE_23=0, GV_SPARE_24=0,GV_SPARE_25=0,GV_SPARE_26=0,GV_SPARE_27=0,GV_SPARE_28=0,GV_SPARE_29=0, GV_SPARE_30=0,GV_SPARE_31=0,GV_SPARE_32=0,GV_SPARE_33=0,GV_SPARE_34=0,GV_SPARE_35=0, GV_SPARE_36=0,GV_SPARE_37=0,GV_MIN_BURN=0,GV_SPARE_39=0,GV_MOI_END=0, GV_MOI_ACCEL_CUTOFF=1,GV_MOI_SA_POS=0,GV_MOI_SM_PYRO=0,GV_SPARE_44=0,GV_SPARE_45=0, GV_ACS_MODE=14,GV_AD_STATE=0,GV_SPARE_48=0,GV_SPARE_49=0,GV_SM_TLM_ON_DUR=0, GV_SPARE_51=0,GV_SPARE_52=0,GV_SPARE_53=0,GV_SPARE_54=0,GV_SPARE_55=0,GV_SPARE_56=0, GV_SPARE_57=0,GV_SPARE_58=0,GV_SPARE_59=0,GV_SPARE_60=0,GV_SPARE_61=0,GV_SPARE_62=0, GV_SPARE_63=0,GV_SPARE_64=0,GV_SPARE_65=0,GV_SPARE_66=0,GV_SPARE_67=0,GV_SPARE_68=0, GV_SPARE_69=0,GV_SPARE_70=0,GV_SPARE_71=0,GV_SPARE_72=0,GV_SPARE_73=0,GV_SPARE_74=0, GV_SPARE_75=0,GV_SPARE_76=0,GV_SPARE_77=0,GV_SPARE_78=0,GV_SPARE_79=0,GV_SPARE_80=0, GV_SPARE_81=0,GV_SPARE_82=0,GV_SPARE_83=0,GV_SPARE_84=0,GV_SPARE_85=0,GV_SPARE_86=0, GV_SPARE_87=0,GV_SPARE_88=0,GV_ALG_PERI_DT=00:00:00, GV_ALG_PERI_PRED_TIME=2002-011T09:04:40.294,GV_CUM_PERI_DT=00:00:00,GV_SPARE_92=0, GV_SPARE_93=0,GV_SEQ_INFO_MSG=,GV_SEQ_WARN_MSG=,GV_SEQ_ERROR_MSG=, GV_PREV_AERO_SEQ=d:/seq/cp331b.abs,GV_SPARE_98=0,GV_SPARE_99=0;		03-352/00:00:00.0
2	M1O	03-352/00:09:13.5		Deletes the designated file.: d:/seq/cm036.abs	FILE_DELETE	03-352/00:01:00.0
3	M1O	03-352/00:15:00.0	14	Begin Pre-Cal		
4	M1O	03-352/00:15:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
5	M1O	03-352/00:15:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
6	M1O	03-352/00:15:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
7	M1O	03-352/00:15:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8	M1O	03-352/00:15:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
9	M1O	03-352/00:15:00.0	14	Config: RCV: Parms:		
10	M1O	03-352/00:15:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
11	M1O	03-352/00:15:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
12	M1O	03-352/00:15:00.0	14	Config: TXL		
13	M1O	03-352/00:15:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
14	M1O	03-352/00:15:00.0	14	Config: CMD		
15	M1O	03-352/00:15:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
16	M1O	03-352/00:21:50.8		NOTE: South Pole Crossing 8910		03-352/00:13:37.2
17	M1O	03-352/00:22:50.8		NOTE: Periapsis 8910 ----------		03-352/00:14:37.2
18	M1O	03-352/00:51:01.5		NOTE: Enter Solar Eclipse 8910		03-352/00:42:47.9
19	M1O	03-352/00:51:10.0		NOTE: Ascending Node Crossing 8910		03-352/00:42:56.3
20	M1O	03-352/01:10:29.7		NOTE: ENTER HGA KEEP OUT ZONE		
21	M1O	03-352/01:14:06.9		NOTE: Exit Solar Eclipse 8910		03-352/01:05:53.2
22	M1O	03-352/01:18:32.3		NOTE: Enter Planetary Atmosphere 8910		03-352/01:10:18.6
23	M1O	03-352/01:19:52.6		NOTE: Enter Earth Occultation 8910		03-352/01:11:38.8
24	M1O	03-352/01:21:04.7		NOTE: North Pole Crossing 8910		03-352/01:12:50.9
25	M1O	03-352/01:22:16.3		NOTE: Apoapsis 8910 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
33	M1O	03-352/01:44:38.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-352/01:36:24.5
34	M1O	03-352/01:44:39.3		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-352/01:36:25.5
35	M1O	03-352/01:44:49.3		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-352/01:36:35.5
36	M1O	03-352/01:44:59.3		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-352/01:36:45.5
37	M1O	03-352/01:45:00.0	14	Begin Tracking		
38	M1O	03-352/01:45:00.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
39	M1O	03-352/01:45:00.2		NOTE: Changing to 70M downlink rate: 110600_BPS		03-352/01:36:46.4
40	M1O	03-352/01:45:00.2		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	03-352/01:36:46.4
41	M1O	03-352/01:46:00.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
42	M1O	03-352/01:49:59.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-352/01:41:45.5
43	M1O	03-352/01:50:00.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-352/01:41:46.5
44	M1O	03-352/01:50:00.4	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
45	M1O	03-352/01:50:01.4		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-352/01:41:47.5
46	M1O	03-352/01:51:00.0	14	Range Modulation On: SUP=3.0dB		
47	M1O	03-352/01:51:01.2		NOTE: Descending Node Crossing 8911		03-352/01:42:47.3
48	M1O	03-352/01:52:00.0	14	Begin Ranging Acquisition		
49	M1O	03-352/02:01:25.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-352/01:53:11.4
50	M1O	03-352/02:01:27.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-352/01:53:13.5
51	M1O	03-352/02:01:27.4	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
52	M1O	03-352/02:01:28.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-352/01:53:14.5
53	M1O	03-352/02:02:27.6	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
54	M1O	03-352/02:07:27.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-352/01:59:13.5
55	M1O	03-352/02:07:27.4	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
56	M1O	03-352/02:07:28.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-352/01:59:14.5
57	M1O	03-352/02:20:22.3		NOTE: South Pole Crossing 8911		03-352/02:12:08.3
58	M1O	03-352/02:21:01.9		NOTE: Periapsis 8911 ----------		03-352/02:12:48.0
59	M1O	03-352/02:37:32.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
60	M1O	03-352/02:47:32.0	14	Range Modulation Off		
61	M1O	03-352/02:49:33.7		NOTE: Enter Solar Eclipse 8911		03-352/02:41:19.7
62	M1O	03-352/02:49:41.8		NOTE: Ascending Node Crossing 8911		03-352/02:41:27.7
63	M1O	03-352/02:52:32.0	14	X-Band Transmitter Off		
64	M1O	03-352/03:07:57.5		SPAWN, Engine = 65535, Parameters = 3, 00:37:21, 1	dpt	03-352/02:59:43.4
65	M1O	03-352/03:07:59.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-352/02:59:45.5
66	M1O	03-352/03:07:59.6	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
67	M1O	03-352/03:08:00.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-352/02:59:46.5
68	M1O	03-352/03:09:00.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
69	M1O	03-352/03:09:01.0		NOTE: ENTER HGA KEEP OUT ZONE		
70	M1O	03-352/03:09:01.0	14	NOTE: Loss Of X-Band Signal		
71	M1O	03-352/03:12:38.1		NOTE: Exit Solar Eclipse 8911		03-352/03:04:24.0
72	M1O	03-352/03:17:03.1		NOTE: Enter Planetary Atmosphere 8911		03-352/03:08:49.0
73	M1O	03-352/03:18:23.5		NOTE: Enter Earth Occultation 8911		03-352/03:10:09.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
74	M1O	03-352/03:19:36.0		NOTE: North Pole Crossing 8911		03-352/03:11:21.9
75	M1O	03-352/03:20:45.2		NOTE: Apoapsis 8911 -		03-352/03:12:31.1
76	M1O	03-352/03:23:53.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
77	M1O	03-352/03:28:53.0	14	Range Modulation On: SUP=3.0dB		
78	M1O	03-352/03:29:53.0	14	Begin Ranging Acquisition		
79	M1O	03-352/03:32:21.1		NOTE: EXIT HGA KEEP OUT ZONE		
80	M1O	03-352/03:39:49.0		NOTE: Exit Earth Occultation 8911		03-352/03:31:34.8
81	M1O	03-352/03:39:49.0	14	Acquisition Of X-Band Signal		
82	M1O	03-352/03:39:49.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
83	M1O	03-352/03:40:21.2	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
84	M1O	03-352/03:41:10.4		NOTE: Exit Planetary Atmosphere 8911		03-352/03:32:56.2
85	M1O	03-352/03:45:20.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-352/03:37:06.5
86	M1O	03-352/03:45:20.7	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
87	M1O	03-352/03:45:21.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-352/03:37:07.5
88	M1O	03-352/03:49:31.9		NOTE: Descending Node Crossing 8912		03-352/03:41:17.7
89	M1O	03-352/04:18:53.7		NOTE: South Pole Crossing 8912		03-352/04:10:39.4
90	M1O	03-352/04:19:29.0		NOTE: Periapsis 8912 ----------		03-352/04:11:14.7
91	M1O	03-352/04:30:00.0	43	Begin Pre-Cal		
92	M1O	03-352/04:30:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
93	M1O	03-352/04:30:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
94	M1O	03-352/04:30:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
95	M1O	03-352/04:30:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
96	M1O	03-352/04:30:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
97	M1O	03-352/04:30:00.0	43	Config: RCV: Parms:		
98	M1O	03-352/04:30:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
99	M1O	03-352/04:30:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
100	M1O	03-352/04:30:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
101	M1O	03-352/04:36:02.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
102	M1O	03-352/04:46:02.0	14	Range Modulation Off		
103	M1O	03-352/04:48:07.2		NOTE: Enter Solar Eclipse 8912		03-352/04:39:52.8
104	M1O	03-352/04:48:14.3		NOTE: Ascending Node Crossing 8912		03-352/04:39:59.9
105	M1O	03-352/04:51:02.0	14	X-Band Transmitter Off		
106	M1O	03-352/05:06:27.9		SPAWN, Engine = 65535, Parameters = 3, 00:37:21, 1	dpt	03-352/04:58:13.4
107	M1O	03-352/05:06:30.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-352/04:58:15.5
108	M1O	03-352/05:06:30.0	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
109	M1O	03-352/05:06:31.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-352/04:58:16.5
110	M1O	03-352/05:07:30.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
111	M1O	03-352/05:07:31.4		NOTE: ENTER HGA KEEP OUT ZONE		
112	M1O	03-352/05:07:31.4	14	NOTE: Loss Of X-Band Signal		
113	M1O	03-352/05:11:05.9		NOTE: Exit Solar Eclipse 8912		03-352/05:02:51.5
114	M1O	03-352/05:15:42.2		NOTE: Enter Planetary Atmosphere 8912		03-352/05:07:27.7
115	M1O	03-352/05:17:03.1		NOTE: Enter Earth Occultation 8912		03-352/05:08:48.7
116	M1O	03-352/05:18:09.7		NOTE: North Pole Crossing 8912		03-352/05:09:55.2
117	M1O	03-352/05:19:29.1		NOTE: Apoapsis 8912 -		03-352/05:11:14.6
118	M1O	03-352/05:22:23.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
119	M1O	03-352/05:27:23.0	14	Range Modulation On: SUP=3.0dB		
120	M1O	03-352/05:28:23.0	14	Begin Ranging Acquisition		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
121	M1O	03-352/05:30:51.5		NOTE: EXIT HGA KEEP OUT ZONE		
122	M1O	03-352/05:38:19.0		NOTE: Exit Earth Occultation 8912		03-352/05:30:04.4
123	M1O	03-352/05:38:19.0	14	Acquisition Of X-Band Signal		
124	M1O	03-352/05:38:19.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
125	M1O	03-352/05:38:51.9	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
126	M1O	03-352/05:39:02.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
127	M1O	03-352/05:39:41.0		NOTE: Exit Planetary Atmosphere 8912		03-352/05:31:26.5
128	M1O	03-352/05:43:51.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-352/05:35:36.5
129	M1O	03-352/05:43:51.1	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
130	M1O	03-352/05:43:52.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-352/05:35:37.5
131	M1O	03-352/05:48:06.9		NOTE: Descending Node Crossing 8913		03-352/05:39:52.3
132	M1O	03-352/05:49:02.0	14	Range Modulation Off		
133	M1O	03-352/05:54:02.0	14	X-Band Transmitter Off		
134	M1O	03-352/05:58:30.7	14	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
135	M1O	03-352/06:00:00.0	43	Begin Tracking		
136	M1O	03-352/06:00:00.0	43	Acquire D/L: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
137	M1O	03-352/06:01:07.6		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	03-352/05:52:53.0
138	M1O	03-352/06:01:07.7		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-352/05:52:53.1
139	M1O	03-352/06:01:08.7		Forces a desaturation of the reaction wheels.	RW_DESAT	03-352/05:52:54.1
140	M1O	03-352/06:02:18.6		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, TRUE	cend	03-352/05:54:04.0
141	M1O	03-352/06:02:34.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-350T05:54:04.100, 2003-352T05:54:04.100	PCKTS_RE_TX_TIME	03-352/05:54:19.8
142	M1O	03-352/06:02:35.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-350T05:54:04.100, 2003-352T05:54:04.100	PCKTS_RE_TX_TIME	03-352/05:54:20.8
143	M1O	03-352/06:02:36.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-350T05:54:04.100, 2003-352T05:54:04.100	PCKTS_RE_TX_TIME	03-352/05:54:21.8
144	M1O	03-352/06:02:37.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-350T05:54:04.100, 2003-352T05:54:04.100	PCKTS_RE_TX_TIME	03-352/05:54:22.8
145	M1O	03-352/06:02:38.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-350T05:54:04.100, 2003-352T05:54:04.100	PCKTS_RE_TX_TIME	03-352/05:54:23.8
146	M1O	03-352/06:02:39.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-350T05:54:04.100, 2003-352T05:54:04.100	PCKTS_RE_TX_TIME	03-352/05:54:24.8
147	M1O	03-352/06:02:39.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-352/05:54:24.8
148	M1O	03-352/06:02:39.4	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
149	M1O	03-352/06:02:39.4	43	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
150	M1O	03-352/06:09:40.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-352/06:01:25.8
151	M1O	03-352/06:09:40.4	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
152	M1O	03-352/06:09:40.4	43	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
153	M1O	03-352/06:09:41.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-352/06:01:26.8
154	M1O	03-352/06:10:11.4		Turns power OFF or ON to the SDST exciter on the active telecom side.: OFF	SDST_EXCITER	03-352/06:01:56.8
155	M1O	03-352/06:10:11.4	14	NOTE: Loss Of X-Band Signal		
156	M1O	03-352/06:10:11.4	43	NOTE: Loss Of X-Band Signal		
157	M1O	03-352/06:10:21.4		Turns power OFF or ON to the SSPA assigned as active.: OFF	SSPA_POWER	03-352/06:02:06.8
158	M1O	03-352/06:10:22.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-352/06:02:07.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
159	M1O	03-352/06:10:23.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-352/06:02:08.8
160	M1O	03-352/06:12:38.7		CALL, Engine = , Parameters = FALSE	park_hga	03-352/06:04:24.1
161	M1O	03-352/06:12:38.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-352/06:04:24.1
162	M1O	03-352/06:12:39.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-352/06:04:25.1
163	M1O	03-352/06:12:40.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-352/06:04:26.1
164	M1O	03-352/06:12:40.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-352/06:04:26.1
165	M1O	03-352/06:12:40.7		NOTE: START HGA PARK		
166	M1O	03-352/06:12:41.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-352/06:04:27.1
167	M1O	03-352/06:12:42.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-352/06:04:28.1
168	M1O	03-352/06:15:00.0	14	End Tracking		
169	M1O	03-352/06:17:12.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	03-352/06:08:58.1
170	M1O	03-352/06:17:29.0		NOTE: South Pole Crossing 8913		03-352/06:09:14.3
171	M1O	03-352/06:18:13.6		NOTE: Periapsis 8913 ----------		03-352/06:09:59.0
172	M1O	03-352/06:20:42.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-352/06:12:28.1
173	M1O	03-352/06:20:42.7		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-352/06:12:28.1
174	M1O	03-352/06:30:00.0	14	End Post-Cal		
175	M1O	03-352/06:46:42.0		NOTE: Enter Solar Eclipse 8913		03-352/06:38:27.3
176	M1O	03-352/06:46:49.5		NOTE: Ascending Node Crossing 8913		03-352/06:38:34.8
177	M1O	03-352/06:50:42.7		GV: GV_DESAT_ACTIVE = 1		03-352/06:42:28.0
178	M1O	03-352/06:50:43.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	03-352/06:42:29.0
179	M1O	03-352/06:50:43.7		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-352/06:42:29.0
180	M1O	03-352/07:00:42.7		GV: GV_DESAT_ACTIVE = 0		03-352/06:52:28.0
181	M1O	03-352/07:00:43.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	03-352/06:52:29.0
182	M1O	03-352/07:00:44.7		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-352/06:52:30.0
183	M1O	03-352/07:00:45.7		CALL, Engine = , Parameters =	unpark_hga	03-352/06:52:31.0
184	M1O	03-352/07:00:45.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-352/06:52:31.0
185	M1O	03-352/07:00:46.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-352/06:52:32.0
186	M1O	03-352/07:05:16.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	03-352/06:57:02.0
187	M1O	03-352/07:05:17.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	03-352/06:57:03.0
188	M1O	03-352/07:06:26.7		NOTE: ENTER HGA KEEP OUT ZONE		
189	M1O	03-352/07:08:14.8		SPAWN, Engine = 65535, Parameters =	scdiag	03-352/07:00:00.0
190	M1O	03-352/07:08:15.9		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	03-352/07:00:01.1
191	M1O	03-352/07:08:16.9		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	03-352/07:00:02.1
192	M1O	03-352/07:09:17.7		NOTE: EXIT HGA PARK		
193	M1O	03-352/07:09:17.8		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-352/07:01:03.0
194	M1O	03-352/07:09:18.0		NOTE: Start Block fsw_diag		03-352/07:01:03.2
195	M1O	03-352/07:09:19.0		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	03-352/07:01:04.2
196	M1O	03-352/07:09:20.0		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	03-352/07:01:05.2
197	M1O	03-352/07:09:31.0		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029,	FSW_VX_CMD	03-352/07:01:16.2

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				0x29292C31,0x29000000,0x0000,0x0000]		
198	M1O	03-352/07:09:37.4		NOTE: Exit Solar Eclipse 8913		03-352/07:01:22.6
199	M1O	03-352/07:10:01.0		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	03-352/07:01:46.2
200	M1O	03-352/07:10:21.0		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	03-352/07:02:06.2
201	M1O	03-352/07:10:31.0		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	03-352/07:02:16.2
202	M1O	03-352/07:10:51.0		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	03-352/07:02:36.2
203	M1O	03-352/07:11:01.0		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	03-352/07:02:46.2
204	M1O	03-352/07:11:06.0		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	03-352/07:02:51.2
205	M1O	03-352/07:11:11.0		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	03-352/07:02:56.2
206	M1O	03-352/07:11:16.0		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	03-352/07:03:01.2
207	M1O	03-352/07:11:21.0		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	03-352/07:03:06.2
208	M1O	03-352/07:11:26.0		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	03-352/07:03:11.2
209	M1O	03-352/07:12:06.0		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	03-352/07:03:51.2
210	M1O	03-352/07:12:11.0		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	03-352/07:03:56.2
211	M1O	03-352/07:12:16.0		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	03-352/07:04:01.2
212	M1O	03-352/07:12:21.0		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	03-352/07:04:06.2
213	M1O	03-352/07:12:26.0		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	03-352/07:04:11.2
214	M1O	03-352/07:12:27.0		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	03-352/07:04:12.2
215	M1O	03-352/07:12:28.0		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	03-352/07:04:13.2
216	M1O	03-352/07:12:29.0		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-352/07:04:14.2
217	M1O	03-352/07:12:40.0		NOTE: End Block fsw_diag.mod		03-352/07:04:25.2
218	M1O	03-352/07:14:22.3		NOTE: Enter Planetary Atmosphere 8913		03-352/07:06:07.5
219	M1O	03-352/07:15:43.7		NOTE: Enter Earth Occultation 8913		03-352/07:07:28.8
220	M1O	03-352/07:16:45.9		NOTE: North Pole Crossing 8913		03-352/07:08:31.1
221	M1O	03-352/07:18:02.3		NOTE: Apoapsis 8913 -		03-352/07:09:47.5
222	M1O	03-352/07:29:26.8		NOTE: EXIT HGA KEEP OUT ZONE		
223	M1O	03-352/07:36:28.2		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-352/07:28:13.3
224	M1O	03-352/07:36:28.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-352/07:28:13.4
225	M1O	03-352/07:36:29.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-352/07:28:14.4
226	M1O	03-352/07:36:30.3		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-352/07:28:15.4
227	M1O	03-352/07:36:31.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-352/07:28:16.4
228	M1O	03-352/07:36:32.3		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-352/07:28:17.4
229	M1O	03-352/07:36:42.3		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-352/07:28:27.4
230	M1O	03-352/07:36:52.3		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-352/07:28:37.4
231	M1O	03-352/07:36:53.2		NOTE: Exit Earth Occultation 8913		03-352/07:28:38.3
232	M1O	03-352/07:36:53.2	43	Acquisition Of X-Band Signal		
233	M1O	03-352/07:36:53.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
234	M1O	03-352/07:38:15.6		NOTE: Exit Planetary Atmosphere 8913		03-352/07:30:00.8
235	M1O	03-352/07:41:52.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-352/07:33:37.4
236	M1O	03-352/07:41:53.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-352/07:33:38.4
237	M1O	03-352/07:41:53.3	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
238	M1O	03-352/07:41:54.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-352/07:33:39.4
239	M1O	03-352/07:46:44.3		NOTE: Descending Node Crossing 8914		03-352/07:38:29.3
240	M1O	03-352/08:16:06.2		NOTE: South Pole Crossing 8914		03-352/08:07:51.2
241	M1O	03-352/08:16:52.4		NOTE: Periapsis 8914 ----------		03-352/08:08:37.4
242	M1O	03-352/08:45:18.3		NOTE: Enter Solar Eclipse 8914		03-352/08:37:03.2
243	M1O	03-352/08:45:26.3		NOTE: Ascending Node Crossing 8914		03-352/08:37:11.2
244	M1O	03-352/09:04:02.1		SPAWN, Engine = 65535, Parameters = 3, 00:36:26.137, 1	dpt	03-352/08:55:47.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
245	M1O	03-352/09:04:04.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-352/08:55:49.1
246	M1O	03-352/09:04:04.2	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
247	M1O	03-352/09:04:05.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-352/08:55:50.1
248	M1O	03-352/09:05:04.1		NOTE: ENTER HGA KEEP OUT ZONE		
249	M1O	03-352/09:05:04.1	43	NOTE: Loss Of X-Band Signal		
250	M1O	03-352/09:08:13.5		NOTE: Exit Solar Eclipse 8914		03-352/08:59:58.3
251	M1O	03-352/09:12:58.9		NOTE: Enter Planetary Atmosphere 8914		03-352/09:04:43.7
252	M1O	03-352/09:14:20.1		NOTE: Enter Earth Occultation 8914		03-352/09:06:05.0
253	M1O	03-352/09:15:22.7		NOTE: North Pole Crossing 8914		03-352/09:07:07.5
254	M1O	03-352/09:16:25.6		NOTE: Apoapsis 8914 -		03-352/09:08:10.4
255	M1O	03-352/09:28:04.2		NOTE: EXIT HGA KEEP OUT ZONE		
256	M1O	03-352/09:35:30.3		NOTE: Exit Earth Occultation 8914		03-352/09:27:15.1
257	M1O	03-352/09:35:30.3	43	Acquisition Of X-Band Signal		
258	M1O	03-352/09:35:30.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
259	M1O	03-352/09:36:52.7		NOTE: Exit Planetary Atmosphere 8914		03-352/09:28:37.5
260	M1O	03-352/09:40:30.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-352/09:32:15.2
261	M1O	03-352/09:40:30.4	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
262	M1O	03-352/09:40:31.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-352/09:32:16.2
263	M1O	03-352/09:45:21.0		NOTE: Descending Node Crossing 8915		03-352/09:37:05.7
264	M1O	03-352/10:14:43.0		NOTE: South Pole Crossing 8915		03-352/10:06:27.7
265	M1O	03-352/10:15:25.2		NOTE: Periapsis 8915 ----------		03-352/10:07:09.8
266	M1O	03-352/10:43:54.8		NOTE: Enter Solar Eclipse 8915		03-352/10:35:39.4
267	M1O	03-352/10:44:03.2		NOTE: Ascending Node Crossing 8915		03-352/10:35:47.7
268	M1O	03-352/11:02:38.4		SPAWN, Engine = 65535, Parameters = 3, 00:36:27.378, 1	dpt	03-352/10:54:23.0
269	M1O	03-352/11:02:40.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-352/10:54:25.1
270	M1O	03-352/11:02:40.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
271	M1O	03-352/11:02:41.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-352/10:54:26.1
272	M1O	03-352/11:03:40.5		NOTE: ENTER HGA KEEP OUT ZONE		
273	M1O	03-352/11:03:40.5	43	NOTE: Loss Of X-Band Signal		
274	M1O	03-352/11:06:52.3		NOTE: Exit Solar Eclipse 8915		03-352/10:58:36.8
275	M1O	03-352/11:11:30.6		NOTE: Enter Planetary Atmosphere 8915		03-352/11:03:15.1
276	M1O	03-352/11:12:51.5		NOTE: Enter Earth Occultation 8915		03-352/11:04:36.0
277	M1O	03-352/11:13:58.6		NOTE: North Pole Crossing 8915		03-352/11:05:43.0
278	M1O	03-352/11:14:47.4		NOTE: Apoapsis 8915 -		03-352/11:06:31.9
279	M1O	03-352/11:26:40.5		NOTE: EXIT HGA KEEP OUT ZONE		
280	M1O	03-352/11:34:07.9		NOTE: Exit Earth Occultation 8915		03-352/11:25:52.3
281	M1O	03-352/11:34:07.9	43	Acquisition Of X-Band Signal		
282	M1O	03-352/11:34:07.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
283	M1O	03-352/11:35:29.9		NOTE: Exit Planetary Atmosphere 8915		03-352/11:27:14.3
284	M1O	03-352/11:39:08.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-352/11:30:52.4
285	M1O	03-352/11:39:08.0	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
286	M1O	03-352/11:39:09.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-352/11:30:53.4
287	M1O	03-352/11:43:55.5		NOTE: Descending Node Crossing 8916		03-352/11:35:39.9
288	M1O	03-352/12:13:17.6		NOTE: South Pole Crossing 8916		03-352/12:05:01.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
289	M1O	03-352/12:14:02.2		NOTE: Periapsis 8916 ----------		03-352/12:05:46.5
290	M1O	03-352/12:42:28.4		NOTE: Enter Solar Eclipse 8916		03-352/12:34:12.6
291	M1O	03-352/12:42:37.6		NOTE: Ascending Node Crossing 8916		03-352/12:34:21.8
292	M1O	03-352/12:54:05.8		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-352/12:45:50.0
293	M1O	03-352/12:54:21.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-350T12:45:50.100, 2003-352T12:45:50.100	PCKTS_RE_TX_TIME	03-352/12:46:05.8
294	M1O	03-352/12:54:22.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-350T12:45:50.100, 2003-352T12:45:50.100	PCKTS_RE_TX_TIME	03-352/12:46:06.8
295	M1O	03-352/12:54:23.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-350T12:45:50.100, 2003-352T12:45:50.100	PCKTS_RE_TX_TIME	03-352/12:46:07.8
296	M1O	03-352/12:54:24.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-350T12:45:50.100, 2003-352T12:45:50.100	PCKTS_RE_TX_TIME	03-352/12:46:08.8
297	M1O	03-352/12:54:25.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-350T12:45:50.100, 2003-352T12:45:50.100	PCKTS_RE_TX_TIME	03-352/12:46:09.8
298	M1O	03-352/12:54:26.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-350T12:45:50.100, 2003-352T12:45:50.100	PCKTS_RE_TX_TIME	03-352/12:46:10.8
299	M1O	03-352/12:54:26.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-352/12:46:10.8
300	M1O	03-352/12:54:26.6	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
301	M1O	03-352/13:01:27.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-352/12:53:11.8
302	M1O	03-352/13:01:27.6	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
303	M1O	03-352/13:01:28.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-352/12:53:12.8
304	M1O	03-352/13:01:44.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-352/12:53:28.8
305	M1O	03-352/13:01:44.6	43	D/L RF Warning: SC antenna change - expect signal level variation		
306	M1O	03-352/13:01:45.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-352/12:53:29.8
307	M1O	03-352/13:02:15.8		NOTE: ENTER HGA KEEP OUT ZONE		
308	M1O	03-352/13:02:15.8	43	NOTE: Loss Of X-Band Signal		
309	M1O	03-352/13:05:29.4		NOTE: Exit Solar Eclipse 8916		03-352/12:57:13.5
310	M1O	03-352/13:09:59.5		NOTE: Enter Planetary Atmosphere 8916		03-352/13:01:43.6
311	M1O	03-352/13:11:20.0		NOTE: Enter Earth Occultation 8916		03-352/13:03:04.1
312	M1O	03-352/13:12:31.9		NOTE: North Pole Crossing 8916		03-352/13:04:16.0
313	M1O	03-352/13:13:33.5		NOTE: Apoapsis 8916 -		03-352/13:05:17.6
314	M1O	03-352/13:25:15.9		NOTE: EXIT HGA KEEP OUT ZONE		
315	M1O	03-352/13:31:24.0	43	NOTE: Below Uplink Interlock Limit		
316	M1O	03-352/13:32:42.5		NOTE: Exit Earth Occultation 8916		03-352/13:24:26.6
317	M1O	03-352/13:32:42.5	43	Acquisition Of X-Band Signal		
318	M1O	03-352/13:32:42.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
319	M1O	03-352/13:34:04.1		NOTE: Exit Planetary Atmosphere 8916		03-352/13:25:48.1
320	M1O	03-352/13:35:00.0	43	End Tracking		
321	M1O	03-352/13:42:27.9		NOTE: Descending Node Crossing 8917		03-352/13:34:11.9
322	M1O	03-352/13:50:00.0	43	End Post-Cal		
323	M1O	03-352/14:11:49.2		NOTE: South Pole Crossing 8917		03-352/14:03:33.1
324	M1O	03-352/14:12:34.0		NOTE: Periapsis 8917 ----------		03-352/14:04:18.0
325	M1O	03-352/14:40:58.8		NOTE: Enter Solar Eclipse 8917		03-352/14:32:42.6
326	M1O	03-352/14:41:08.7		NOTE: Ascending Node Crossing 8917		03-352/14:32:52.6
327	M1O	03-352/15:00:28.2		NOTE: ENTER HGA KEEP OUT ZONE		
328	M1O	03-352/15:04:00.5		NOTE: Exit Solar Eclipse 8917		03-352/14:55:44.3
329	M1O	03-352/15:08:30.2		NOTE: Enter Planetary Atmosphere 8917		03-352/15:00:13.9
330	M1O	03-352/15:09:50.7		NOTE: Enter Earth Occultation 8917		03-352/15:01:34.4
331	M1O	03-352/15:11:03.2		NOTE: North Pole Crossing 8917		03-352/15:02:47.0
332	M1O	03-352/15:12:05.8		NOTE: Apoapsis 8917 -		03-352/15:03:49.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
333	M1O	03-352/15:23:48.2		NOTE: EXIT HGA KEEP OUT ZONE		
334	M1O	03-352/15:31:13.8		NOTE: Exit Earth Occultation 8917		03-352/15:22:57.5
335	M1O	03-352/15:32:35.4		NOTE: Exit Planetary Atmosphere 8917		03-352/15:24:19.1
336	M1O	03-352/15:40:59.4		NOTE: Descending Node Crossing 8918		03-352/15:32:43.1
337	M1O	03-352/16:00:00.0	54	Begin Pre-Cal		
338	M1O	03-352/16:00:00.0	54	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
339	M1O	03-352/16:00:00.0	54	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
340	M1O	03-352/16:00:00.0	54	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
341	M1O	03-352/16:00:00.0	54	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
342	M1O	03-352/16:00:00.0	54	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
343	M1O	03-352/16:00:00.0	54	Config: RCV: Parms:		
344	M1O	03-352/16:00:00.0	54	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
345	M1O	03-352/16:00:00.0	54	Config: TGC: BAND=X, SR=221200.000000		
346	M1O	03-352/16:00:00.0	54	Config: TXL		
347	M1O	03-352/16:00:00.0	54	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
348	M1O	03-352/16:00:00.0	54	Config: CMD		
349	M1O	03-352/16:00:00.0	54	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
350	M1O	03-352/16:10:20.3		NOTE: South Pole Crossing 8918		03-352/16:02:03.8
351	M1O	03-352/16:10:44.9		NOTE: Periapsis 8918 ----------		03-352/16:02:28.5
352	M1O	03-352/16:39:31.6		NOTE: Enter Solar Eclipse 8918		03-352/16:31:15.1
353	M1O	03-352/16:39:40.0		NOTE: Ascending Node Crossing 8918		03-352/16:31:23.5
354	M1O	03-352/16:58:59.5		NOTE: ENTER HGA KEEP OUT ZONE		
355	M1O	03-352/17:02:27.5		NOTE: Exit Solar Eclipse 8918		03-352/16:54:10.9
356	M1O	03-352/17:07:07.4		NOTE: Enter Planetary Atmosphere 8918		03-352/16:58:50.8
357	M1O	03-352/17:08:28.3		NOTE: Enter Earth Occultation 8918		03-352/17:00:11.7
358	M1O	03-352/17:09:35.8		NOTE: North Pole Crossing 8918		03-352/17:01:19.2
359	M1O	03-352/17:10:17.0		NOTE: Apoapsis 8918 -		03-352/17:02:00.4
360	M1O	03-352/17:22:19.6		NOTE: EXIT HGA KEEP OUT ZONE		
361	M1O	03-352/17:29:35.9		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-352/17:21:19.3
362	M1O	03-352/17:29:36.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-352/17:21:19.4
363	M1O	03-352/17:29:37.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-352/17:21:20.4
364	M1O	03-352/17:29:38.0		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-352/17:21:21.4
365	M1O	03-352/17:29:39.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-352/17:21:22.4
366	M1O	03-352/17:29:40.0		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-352/17:21:23.4
367	M1O	03-352/17:29:43.7		NOTE: Exit Earth Occultation 8918		03-352/17:21:27.1
368	M1O	03-352/17:29:50.0		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-352/17:21:33.4
369	M1O	03-352/17:30:00.0	54	Begin Tracking		
370	M1O	03-352/17:30:00.0	54	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
371	M1O	03-352/17:30:00.0		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-352/17:21:43.4
372	M1O	03-352/17:30:00.9		NOTE: Changing to 34M (BWG) downlink rate: 66360_BPS		03-352/17:21:44.3
373	M1O	03-352/17:30:00.9		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 66360_BPS	DOWNLINK_RATE	03-352/17:21:44.3
374	M1O	03-352/17:30:00.9	54	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
375	M1O	03-352/17:31:00.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
376	M1O	03-352/17:31:05.8		NOTE: Exit Planetary Atmosphere 8918		03-352/17:22:49.2
377	M1O	03-352/17:35:00.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-352/17:26:43.4
378	M1O	03-352/17:35:01.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-352/17:26:44.4
379	M1O	03-352/17:35:01.0	54	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
380	M1O	03-352/17:35:02.0		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-352/17:26:45.4
381	M1O	03-352/17:36:00.0	54	Range Modulation On: SUP=3.0dB		
382	M1O	03-352/17:37:00.0	54	Begin Ranging Acquisition		
383	M1O	03-352/17:39:32.8		NOTE: Descending Node Crossing 8919		03-352/17:31:16.2
384	M1O	03-352/17:46:30.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-352/17:38:13.5
385	M1O	03-352/17:46:32.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-352/17:38:15.6
386	M1O	03-352/17:46:32.3	54	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
387	M1O	03-352/17:46:33.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-352/17:38:16.6
388	M1O	03-352/17:47:33.3	54	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
389	M1O	03-352/17:52:32.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-352/17:44:15.6
390	M1O	03-352/17:52:32.4	54	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
391	M1O	03-352/17:52:33.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-352/17:44:16.6
392	M1O	03-352/18:08:54.9		NOTE: South Pole Crossing 8919		03-352/18:00:38.1
393	M1O	03-352/18:09:17.5		NOTE: Periapsis 8919 ----------		03-352/18:01:00.8
394	M1O	03-352/18:26:18.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
395	M1O	03-352/18:36:18.0	54	Range Modulation Off		
396	M1O	03-352/18:38:08.5		NOTE: Enter Solar Eclipse 8919		03-352/18:29:51.7
397	M1O	03-352/18:38:15.8		NOTE: Ascending Node Crossing 8919		03-352/18:29:59.0
398	M1O	03-352/18:41:18.0	54	X-Band Transmitter Off		
399	M1O	03-352/18:56:49.5		SPAWN, Engine = 65535, Parameters = 3, 00:36:57, 1	dpt	03-352/18:48:32.6
400	M1O	03-352/18:56:51.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-352/18:48:34.7
401	M1O	03-352/18:56:51.6	54	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
402	M1O	03-352/18:56:52.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-352/18:48:35.7
403	M1O	03-352/18:57:51.7	54	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
404	M1O	03-352/18:57:52.9		NOTE: ENTER HGA KEEP OUT ZONE		
405	M1O	03-352/18:57:52.9	54	NOTE: Loss Of X-Band Signal		
406	M1O	03-352/19:01:00.1		NOTE: Exit Solar Eclipse 8919		03-352/18:52:43.2
407	M1O	03-352/19:05:45.6		NOTE: Enter Planetary Atmosphere 8919		03-352/18:57:28.7
408	M1O	03-352/19:07:06.9		NOTE: Enter Earth Occultation 8919		03-352/18:58:50.0
409	M1O	03-352/19:08:11.5		NOTE: North Pole Crossing 8919		03-352/18:59:54.5
410	M1O	03-352/19:09:02.5		NOTE: Apoapsis 8919 -		03-352/19:00:45.6
411	M1O	03-352/19:12:15.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
412	M1O	03-352/19:17:15.0	54	Range Modulation On: SUP=3.0dB		
413	M1O	03-352/19:18:15.0	54	Begin Ranging Acquisition		
414	M1O	03-352/19:20:52.9		NOTE: EXIT HGA KEEP OUT ZONE		
415	M1O	03-352/19:28:16.7		NOTE: Exit Earth Occultation 8919		03-352/19:19:59.7
416	M1O	03-352/19:28:16.7	54	Acquisition Of X-Band Signal		
417	M1O	03-352/19:28:16.7	54	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
418	M1O	03-352/19:28:48.9	54	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
419	M1O	03-352/19:29:39.1		NOTE: Exit Planetary Atmosphere 8919		03-352/19:21:22.1
420	M1O	03-352/19:33:48.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-352/19:25:31.7
421	M1O	03-352/19:33:48.7	54	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
422	M1O	03-352/19:33:49.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-352/19:25:32.7
423	M1O	03-352/19:38:08.7		NOTE: Descending Node Crossing 8920		03-352/19:29:51.7
424	M1O	03-352/20:07:31.9		NOTE: South Pole Crossing 8920		03-352/19:59:14.8
425	M1O	03-352/20:08:21.9		NOTE: Periapsis 8920 ----------		03-352/20:00:04.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
426	M1O	03-352/20:24:53.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
427	M1O	03-352/20:34:53.0	54	Range Modulation Off		
428	M1O	03-352/20:36:44.9		NOTE: Enter Solar Eclipse 8920		03-352/20:28:27.7
429	M1O	03-352/20:36:53.2		NOTE: Ascending Node Crossing 8920		03-352/20:28:36.0
430	M1O	03-352/20:39:53.0	54	X-Band Transmitter Off		
431	M1O	03-352/20:55:24.9		SPAWN, Engine = 65535, Parameters = 3, 00:36:56, 1	dpt	03-352/20:47:07.6
432	M1O	03-352/20:55:27.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-352/20:47:09.7
433	M1O	03-352/20:55:27.0	54	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
434	M1O	03-352/20:55:28.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-352/20:47:10.7
435	M1O	03-352/20:56:27.4	54	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
436	M1O	03-352/20:56:28.2		NOTE: ENTER HGA KEEP OUT ZONE		
437	M1O	03-352/20:56:28.2	54	NOTE: Loss Of X-Band Signal		
438	M1O	03-352/20:59:36.7		NOTE: Exit Solar Eclipse 8920		03-352/20:51:19.4
439	M1O	03-352/21:04:22.3		NOTE: Enter Planetary Atmosphere 8920		03-352/20:56:05.0
440	M1O	03-352/21:05:43.7		NOTE: Enter Earth Occultation 8920		03-352/20:57:26.4
441	M1O	03-352/21:06:48.3		NOTE: North Pole Crossing 8920		03-352/20:58:31.0
442	M1O	03-352/21:08:18.2		NOTE: Apoapsis 8920 -		03-352/21:00:00.9
443	M1O	03-352/21:10:49.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
444	M1O	03-352/21:15:49.0	54	Range Modulation On: SUP=3.0dB		
445	M1O	03-352/21:16:49.0	54	Begin Ranging Acquisition		
446	M1O	03-352/21:19:28.3		NOTE: EXIT HGA KEEP OUT ZONE		
447	M1O	03-352/21:26:51.8		NOTE: Exit Earth Occultation 8920		03-352/21:18:34.5
448	M1O	03-352/21:26:51.8	54	Acquisition Of X-Band Signal		
449	M1O	03-352/21:26:51.8	54	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
450	M1O	03-352/21:27:23.6	54	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
451	M1O	03-352/21:28:14.3		NOTE: Exit Planetary Atmosphere 8920		03-352/21:19:56.9
452	M1O	03-352/21:32:23.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-352/21:24:05.7
453	M1O	03-352/21:32:23.1	54	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
454	M1O	03-352/21:32:24.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-352/21:24:06.7
455	M1O	03-352/21:36:45.6		NOTE: Descending Node Crossing 8921		03-352/21:28:28.3
456	M1O	03-352/22:06:09.0		NOTE: South Pole Crossing 8921		03-352/21:57:51.5
457	M1O	03-352/22:07:24.3		NOTE: Periapsis 8921 ----------		03-352/21:59:06.9
458	M1O	03-352/22:15:00.0	14	Begin Pre-Cal		
459	M1O	03-352/22:15:00.0	14	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
460	M1O	03-352/22:15:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
461	M1O	03-352/22:15:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
462	M1O	03-352/22:15:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
463	M1O	03-352/22:15:00.0	14	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
464	M1O	03-352/22:15:00.0	14	Config: RCV: Parms:		
465	M1O	03-352/22:15:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
466	M1O	03-352/22:15:00.0	14	Config: TGC: BAND=X, SR=132720.000000		
467	M1O	03-352/22:15:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
468	M1O	03-352/22:23:30.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
469	M1O	03-352/22:33:30.0	54	Range Modulation Off		
470	M1O	03-352/22:35:19.3		NOTE: Enter Solar Eclipse 8921		03-352/22:27:01.7
471	M1O	03-352/22:35:29.6		NOTE: Ascending Node Crossing 8921		03-352/22:27:12.1
472	M1O	03-352/22:38:30.0	54	X-Band Transmitter Off		
473	M1O	03-352/22:54:02.2		SPAWN, Engine = 65535, Parameters = 3, 00:36:56, 1	dpt	03-352/22:45:44.6
474	M1O	03-352/22:54:04.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-352/22:45:46.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
475	M1O	03-352/22:54:04.3	54	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
476	M1O	03-352/22:54:05.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-352/22:45:47.7
477	M1O	03-352/22:55:05.1	54	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
478	M1O	03-352/22:55:05.6		NOTE: ENTER HGA KEEP OUT ZONE		
479	M1O	03-352/22:55:05.6	54	NOTE: Loss Of X-Band Signal		
480	M1O	03-352/22:58:13.8		NOTE: Exit Solar Eclipse 8921		03-352/22:49:56.2
481	M1O	03-352/23:02:56.9		NOTE: Enter Planetary Atmosphere 8921		03-352/22:54:39.3
482	M1O	03-352/23:04:18.3		NOTE: Enter Earth Occultation 8921		03-352/22:56:00.6
483	M1O	03-352/23:05:24.6		NOTE: North Pole Crossing 8921		03-352/22:57:06.9
484	M1O	03-352/23:07:15.1		NOTE: Apoapsis 8921 -		03-352/22:58:57.4
485	M1O	03-352/23:09:26.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
486	M1O	03-352/23:13:25.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
487	M1O	03-352/23:14:26.0	54	Range Modulation On: SUP=3.0dB		
488	M1O	03-352/23:15:26.0	54	Begin Ranging Acquisition		
489	M1O	03-352/23:18:05.6		NOTE: EXIT HGA KEEP OUT ZONE		
490	M1O	03-352/23:23:25.0	54	Range Modulation Off		
491	M1O	03-352/23:25:28.4		NOTE: Exit Earth Occultation 8921		03-352/23:17:10.7
492	M1O	03-352/23:25:28.4	54	Acquisition Of X-Band Signal		
493	M1O	03-352/23:25:28.4	54	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
494	M1O	03-352/23:26:01.3	54	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
495	M1O	03-352/23:26:50.8		NOTE: Exit Planetary Atmosphere 8921		03-352/23:18:33.1
496	M1O	03-352/23:28:24.5	54	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
497	M1O	03-352/23:28:25.0	54	X-Band Transmitter Off		
498	M1O	03-352/23:31:00.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-352/23:22:42.7
499	M1O	03-352/23:31:00.4	54	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
500	M1O	03-352/23:31:01.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-352/23:22:43.7
501	M1O	03-352/23:35:22.2		NOTE: Descending Node Crossing 8922		03-352/23:27:04.4
502	M1O	03-352/23:36:48.7		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-352/23:28:31.0
503	M1O	03-352/23:37:04.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-350T23:28:31.100, 2003-352T23:28:31.100	PCKTS_RE_TX_TIME	03-352/23:28:46.8
504	M1O	03-352/23:37:05.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-350T23:28:31.100, 2003-352T23:28:31.100	PCKTS_RE_TX_TIME	03-352/23:28:47.8
505	M1O	03-352/23:37:06.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-350T23:28:31.100, 2003-352T23:28:31.100	PCKTS_RE_TX_TIME	03-352/23:28:48.8
506	M1O	03-352/23:37:07.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-350T23:28:31.100, 2003-352T23:28:31.100	PCKTS_RE_TX_TIME	03-352/23:28:49.8
507	M1O	03-352/23:37:08.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-350T23:28:31.100, 2003-352T23:28:31.100	PCKTS_RE_TX_TIME	03-352/23:28:50.8
508	M1O	03-352/23:37:09.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-350T23:28:31.100, 2003-352T23:28:31.100	PCKTS_RE_TX_TIME	03-352/23:28:51.8
509	M1O	03-352/23:37:09.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-352/23:28:51.8
510	M1O	03-352/23:37:09.5	54	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
511	M1O	03-352/23:41:14.0	54	NOTE: Below Uplink Interlock Limit		
512	M1O	03-352/23:44:10.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-352/23:35:52.8
513	M1O	03-352/23:44:10.5	54	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
514	M1O	03-352/23:44:11.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-352/23:35:53.8
515	M1O	03-352/23:44:27.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-352/23:36:09.8
516	M1O	03-352/23:44:27.5	54	D/L RF Warning: SC antenna change - expect signal level variation		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
517	M1O	03-352/23:44:28.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-352/23:36:10.8
518	M1O	03-352/23:45:00.0	54	End Tracking		
519	M1O	03-352/23:45:00.0	14	Begin Tracking		
520	M1O	03-352/23:45:00.0	14	Acquire D/L: X/08, 3-Way/54, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
521	M1O	03-352/23:45:00.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
522	M1O	03-352/23:49:36.0		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-352/23:41:18.2
523	M1O	03-352/23:49:36.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-352/23:41:18.3
524	M1O	03-352/23:49:37.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-352/23:41:19.3
525	M1O	03-352/23:49:38.1		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-352/23:41:20.3
526	M1O	03-352/23:49:39.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-352/23:41:21.3
527	M1O	03-352/23:49:39.1	14	D/L RF Warning: SC antenna change - expect signal level variation		
528	M1O	03-352/23:49:40.1		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-352/23:41:22.3
529	M1O	03-352/23:49:50.1		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-352/23:41:32.3
530	M1O	03-352/23:50:00.1		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-352/23:41:42.3
531	M1O	03-352/23:50:01.0		NOTE: Changing to 70M downlink rate: 110600_BPS		03-352/23:41:43.2
532	M1O	03-352/23:50:01.0		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	03-352/23:41:43.2
533	M1O	03-352/23:50:01.0	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
534	M1O	03-352/23:55:00.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-352/23:46:42.3
535	M1O	03-352/23:55:01.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-352/23:46:43.3
536	M1O	03-352/23:55:01.1	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
537	M1O	03-352/23:55:02.1		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-352/23:46:44.3
538	M1O	03-353/00:00:00.0	54	End Post-Cal		
539	M1O	03-353/00:00:00.0		Light Time: OWLT = 08:17, RTLT = 16:35		
540	M1O	03-353/00:04:44.4		NOTE: South Pole Crossing 8922		03-352/23:56:26.6
541	M1O	03-353/00:06:03.0		NOTE: Periapsis 8922 ----------		03-352/23:57:45.2
542	M1O	03-353/00:33:51.3		NOTE: Enter Solar Eclipse 8922		03-353/00:25:33.4
543	M1O	03-353/00:34:03.7		NOTE: Ascending Node Crossing 8922		03-353/00:25:45.8
544	M1O	03-353/00:52:39.9		SPAWN, Engine = 65535, Parameters = 3, 00:36:22.350, 1	dpt	03-353/00:44:22.0
545	M1O	03-353/00:52:42.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-353/00:44:24.1
546	M1O	03-353/00:52:42.0	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
547	M1O	03-353/00:52:43.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-353/00:44:25.1
548	M1O	03-353/00:53:41.9		NOTE: ENTER HGA KEEP OUT ZONE		
549	M1O	03-353/00:53:41.9	14	NOTE: Loss Of X-Band Signal		
550	M1O	03-353/00:56:49.8		NOTE: Exit Solar Eclipse 8922		03-353/00:48:31.9
551	M1O	03-353/01:01:27.7		NOTE: Enter Planetary Atmosphere 8922		03-353/00:53:09.7
552	M1O	03-353/01:02:48.8		NOTE: Enter Earth Occultation 8922		03-353/00:54:30.8
553	M1O	03-353/01:03:58.5		NOTE: North Pole Crossing 8922		03-353/00:55:40.5
554	M1O	03-353/01:05:36.8		NOTE: Apoapsis 8922 -		03-353/00:57:18.8
555	M1O	03-353/01:16:42.0		NOTE: EXIT HGA KEEP OUT ZONE		
556	M1O	03-353/01:24:04.4		NOTE: Exit Earth Occultation 8922		03-353/01:15:46.3
557	M1O	03-353/01:24:04.4	14	Acquisition Of X-Band Signal		
558	M1O	03-353/01:24:04.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
559	M1O	03-353/01:25:26.5		NOTE: Exit Planetary Atmosphere 8922		03-353/01:17:08.4
560	M1O	03-353/01:29:04.5		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	03-353/01:20:46.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
561	M1O	03-353/01:29:04.5	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
562	M1O	03-353/01:29:05.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-353/01:20:47.4
563	M1O	03-353/01:33:55.8		NOTE: Descending Node Crossing 8923		03-353/01:25:37.7
564	M1O	03-353/02:03:16.9		NOTE: South Pole Crossing 8923		03-353/01:54:58.8
565	M1O	03-353/02:04:14.8		NOTE: Periapsis 8923 ----------		03-353/01:55:56.6
566	M1O	03-353/02:32:23.0		NOTE: Enter Solar Eclipse 8923		03-353/02:24:04.7
567	M1O	03-353/02:32:35.7		NOTE: Ascending Node Crossing 8923		03-353/02:24:17.5
568	M1O	03-353/02:50:53.3		SPAWN, Engine = 65535, Parameters = 3, 00:36:41.189, 1	dpt	03-353/02:42:35.0
569	M1O	03-353/02:50:55.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-353/02:42:37.1
570	M1O	03-353/02:50:55.4	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
571	M1O	03-353/02:50:56.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-353/02:42:38.1
572	M1O	03-353/02:51:55.3		NOTE: ENTER HGA KEEP OUT ZONE		
573	M1O	03-353/02:51:55.3	14	NOTE: Loss Of X-Band Signal		
574	M1O	03-353/02:55:23.3		NOTE: Exit Solar Eclipse 8923		03-353/02:47:05.0
575	M1O	03-353/02:59:56.1		NOTE: Enter Planetary Atmosphere 8923		03-353/02:51:37.8
576	M1O	03-353/03:00:00.0	15	Begin Pre-Cal		
577	M1O	03-353/03:00:00.0	15	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
578	M1O	03-353/03:00:00.0	15	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
579	M1O	03-353/03:00:00.0	15	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
580	M1O	03-353/03:00:00.0	15	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
581	M1O	03-353/03:00:00.0	15	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
582	M1O	03-353/03:00:00.0	15	Config: RCV: Parms:		
583	M1O	03-353/03:00:00.0	15	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
584	M1O	03-353/03:00:00.0	15	Config: TGC: BAND=X, SR=221200.000000		
585	M1O	03-353/03:00:00.0	15	Config: TXL		
586	M1O	03-353/03:00:00.0	15	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
587	M1O	03-353/03:00:00.0	15	Config: CMD		
588	M1O	03-353/03:00:00.0	15	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
589	M1O	03-353/03:01:16.9		NOTE: Enter Earth Occultation 8923		03-353/02:52:58.6
590	M1O	03-353/03:02:29.9		NOTE: North Pole Crossing 8923		03-353/02:54:11.6
591	M1O	03-353/03:03:49.5		NOTE: Apoapsis 8923 -		03-353/02:55:31.1
592	M1O	03-353/03:15:15.3		NOTE: EXIT HGA KEEP OUT ZONE		
593	M1O	03-353/03:22:36.6		NOTE: Exit Earth Occultation 8923		03-353/03:14:18.1
594	M1O	03-353/03:22:36.6	14	Acquisition Of X-Band Signal		
595	M1O	03-353/03:22:36.6	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
596	M1O	03-353/03:23:58.4		NOTE: Exit Planetary Atmosphere 8923		03-353/03:15:40.0
597	M1O	03-353/03:27:36.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-353/03:19:18.2
598	M1O	03-353/03:27:36.7	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
599	M1O	03-353/03:27:37.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-353/03:19:19.2
600	M1O	03-353/03:32:26.2		NOTE: Descending Node Crossing 8924		03-353/03:24:07.7
601	M1O	03-353/03:45:00.0	15	Begin Tracking		
602	M1O	03-353/03:45:00.0	15	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
603	M1O	03-353/03:46:00.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
604	M1O	03-353/03:51:00.0	15	Range Modulation On: SUP=3.0dB		
605	M1O	03-353/03:52:00.0	15	Begin Ranging Acquisition		
606	M1O	03-353/04:01:34.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-353/03:53:15.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
607	M1O	03-353/04:01:36.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-353/03:53:17.8
608	M1O	03-353/04:01:36.3	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
609	M1O	03-353/04:01:36.3	15	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
610	M1O	03-353/04:01:37.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-353/03:53:18.8
611	M1O	03-353/04:01:47.7		NOTE: South Pole Crossing 8924		03-353/03:53:29.1
612	M1O	03-353/04:02:31.2		NOTE: Periapsis 8924 ----------		03-353/03:54:12.6
613	M1O	03-353/04:02:36.9	14	Acquire D/L: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
614	M1O	03-353/04:02:36.9	15	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
615	M1O	03-353/04:07:36.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-353/03:59:17.8
616	M1O	03-353/04:07:36.3	14	D/L Change: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
617	M1O	03-353/04:07:36.3	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
618	M1O	03-353/04:07:37.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-353/03:59:18.8
619	M1O	03-353/04:18:48.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
620	M1O	03-353/04:28:48.0	15	Range Modulation Off		
621	M1O	03-353/04:30:00.0	34	Begin Pre-Cal		
622	M1O	03-353/04:30:00.0	34	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
623	M1O	03-353/04:30:00.0	34	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
624	M1O	03-353/04:30:00.0	34	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
625	M1O	03-353/04:30:00.0	34	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
626	M1O	03-353/04:30:00.0	34	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
627	M1O	03-353/04:30:00.0	34	Config: RCV: Parms:		
628	M1O	03-353/04:30:00.0	34	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
629	M1O	03-353/04:30:00.0	34	Config: TGC: BAND=X, SR=221200.000000		
630	M1O	03-353/04:30:00.0	34	Config: TXL		
631	M1O	03-353/04:30:00.0	34	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
632	M1O	03-353/04:30:00.0	34	Config: CMD		
633	M1O	03-353/04:30:00.0	34	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
634	M1O	03-353/04:30:55.8		NOTE: Enter Solar Eclipse 8924		03-353/04:22:37.2
635	M1O	03-353/04:31:07.5		NOTE: Ascending Node Crossing 8924		03-353/04:22:48.9
636	M1O	03-353/04:33:48.0	15	X-Band Transmitter Off		
637	M1O	03-353/04:49:22.4		SPAWN, Engine = 65535, Parameters = 3, 00:37:13, 1	dpt	03-353/04:41:03.7
638	M1O	03-353/04:49:24.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-353/04:41:05.8
639	M1O	03-353/04:49:24.5	14	D/L Change: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
640	M1O	03-353/04:49:24.5	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
641	M1O	03-353/04:49:25.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-353/04:41:06.8
642	M1O	03-353/04:50:25.2	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
643	M1O	03-353/04:50:25.2	15	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
644	M1O	03-353/04:50:25.6		NOTE: ENTER HGA KEEP OUT ZONE		
645	M1O	03-353/04:50:25.6	14	NOTE: Loss Of X-Band Signal		
646	M1O	03-353/04:50:25.6	15	NOTE: Loss Of X-Band Signal		
647	M1O	03-353/04:53:52.3		NOTE: Exit Solar Eclipse 8924		03-353/04:45:33.6
648	M1O	03-353/04:58:30.6		NOTE: Enter Planetary Atmosphere 8924		03-353/04:50:11.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
649	M1O	03-353/04:59:51.8		NOTE: Enter Earth Occultation 8924		03-353/04:51:33.1
650	M1O	03-353/05:01:01.9		NOTE: North Pole Crossing 8924		03-353/04:52:43.2
651	M1O	03-353/05:02:26.4		NOTE: Apoapsis 8924 -		03-353/04:54:07.7
652	M1O	03-353/05:05:01.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
653	M1O	03-353/05:10:01.0	15	Range Modulation On: SUP=3.0dB		
654	M1O	03-353/05:11:01.0	15	Begin Ranging Acquisition		
655	M1O	03-353/05:13:45.7		NOTE: EXIT HGA KEEP OUT ZONE		
656	M1O	03-353/05:21:05.9		NOTE: Exit Earth Occultation 8924		03-353/05:12:47.1
657	M1O	03-353/05:21:05.9	14	Acquisition Of X-Band Signal		
658	M1O	03-353/05:21:05.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
659	M1O	03-353/05:21:05.9	15	Acquisition Of X-Band Signal		
660	M1O	03-353/05:21:05.9	15	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
661	M1O	03-353/05:21:38.4	14	Acquire D/L: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
662	M1O	03-353/05:21:38.4	15	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
663	M1O	03-353/05:21:49.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
664	M1O	03-353/05:22:28.1		NOTE: Exit Planetary Atmosphere 8924		03-353/05:14:09.3
665	M1O	03-353/05:26:37.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-353/05:18:18.8
666	M1O	03-353/05:26:37.6	14	D/L Change: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
667	M1O	03-353/05:26:37.6	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
668	M1O	03-353/05:26:38.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-353/05:18:19.8
669	M1O	03-353/05:30:58.3		NOTE: Descending Node Crossing 8925		03-353/05:22:39.5
670	M1O	03-353/05:31:49.0	15	Range Modulation Off		
671	M1O	03-353/05:36:49.0	15	X-Band Transmitter Off		
672	M1O	03-353/05:43:58.8		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	03-353/05:35:40.0
673	M1O	03-353/05:43:58.9		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-353/05:35:40.1
674	M1O	03-353/05:43:59.9		Forces a desaturation of the reaction wheels.	RW_DESAT	03-353/05:35:41.1
675	M1O	03-353/05:45:15.8		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-353/05:36:57.0
676	M1O	03-353/05:45:31.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-351T05:36:57.100, 2003-353T05:36:57.100	PCKTS_RE_TX_TIME	03-353/05:37:12.8
677	M1O	03-353/05:45:32.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-351T05:36:57.100, 2003-353T05:36:57.100	PCKTS_RE_TX_TIME	03-353/05:37:13.8
678	M1O	03-353/05:45:33.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-351T05:36:57.100, 2003-353T05:36:57.100	PCKTS_RE_TX_TIME	03-353/05:37:14.8
679	M1O	03-353/05:45:34.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-351T05:36:57.100, 2003-353T05:36:57.100	PCKTS_RE_TX_TIME	03-353/05:37:15.8
680	M1O	03-353/05:45:35.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-351T05:36:57.100, 2003-353T05:36:57.100	PCKTS_RE_TX_TIME	03-353/05:37:16.8
681	M1O	03-353/05:45:36.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-351T05:36:57.100, 2003-353T05:36:57.100	PCKTS_RE_TX_TIME	03-353/05:37:17.8
682	M1O	03-353/05:45:36.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-353/05:37:17.8
683	M1O	03-353/05:45:36.6	14	D/L Change: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
684	M1O	03-353/05:45:36.6	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
685	M1O	03-353/05:52:37.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-353/05:44:18.8
686	M1O	03-353/05:52:37.6	14	D/L Change: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
687	M1O	03-353/05:52:37.6	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
688	M1O	03-353/05:52:38.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-353/05:44:19.8
689	M1O	03-353/05:52:54.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-353/05:44:35.8
690	M1O	03-353/05:52:54.6	14	D/L RF Warning: SC antenna change - expect signal level variation		
691	M1O	03-353/05:52:54.6	15	D/L RF Warning: SC antenna change - expect signal level variation		
692	M1O	03-353/05:52:55.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-353/05:44:36.8
693	M1O	03-353/05:53:26.6	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
694	M1O	03-353/05:53:26.6	15	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
695	M1O	03-353/05:55:29.9		CALL, Engine = , Parameters = FALSE	park_hga	03-353/05:47:11.1
696	M1O	03-353/05:55:29.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-353/05:47:11.1
697	M1O	03-353/05:55:30.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-353/05:47:12.1
698	M1O	03-353/05:55:31.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-353/05:47:13.1
699	M1O	03-353/05:55:31.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-353/05:47:13.1
700	M1O	03-353/05:55:31.9		NOTE: START HGA PARK		
701	M1O	03-353/05:55:31.9	14	NOTE: Loss Of X-Band Signal		
702	M1O	03-353/05:55:31.9	15	NOTE: Loss Of X-Band Signal		
703	M1O	03-353/05:55:32.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-353/05:47:14.1
704	M1O	03-353/05:55:33.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-353/05:47:15.1
705	M1O	03-353/06:00:00.0	34	Begin Tracking		
706	M1O	03-353/06:00:03.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	03-353/05:51:45.1
707	M1O	03-353/06:00:20.6		NOTE: South Pole Crossing 8925		03-353/05:52:01.7
708	M1O	03-353/06:01:05.9		NOTE: Periapsis 8925 ----------		03-353/05:52:47.0
709	M1O	03-353/06:03:33.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-353/05:55:15.1
710	M1O	03-353/06:03:33.9		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-353/05:55:15.1
711	M1O	03-353/06:29:30.2		NOTE: Enter Solar Eclipse 8925		03-353/06:21:11.2
712	M1O	03-353/06:29:41.3		NOTE: Ascending Node Crossing 8925		03-353/06:21:22.4
713	M1O	03-353/06:33:33.9		GV: GV_DESAT_ACTIVE = 1		03-353/06:25:15.0
714	M1O	03-353/06:33:34.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	03-353/06:25:16.0
715	M1O	03-353/06:33:34.9		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-353/06:25:16.0
716	M1O	03-353/06:43:34.0		GV: GV_DESAT_ACTIVE = 0		03-353/06:35:15.0
717	M1O	03-353/06:43:35.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	03-353/06:35:16.0
718	M1O	03-353/06:43:36.0		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-353/06:35:17.0
719	M1O	03-353/06:43:37.0		CALL, Engine = , Parameters =	unpark_hga	03-353/06:35:18.0
720	M1O	03-353/06:43:37.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-353/06:35:18.0
721	M1O	03-353/06:43:38.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-353/06:35:19.0
722	M1O	03-353/06:48:08.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	03-353/06:39:49.0
723	M1O	03-353/06:48:09.0		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	03-353/06:39:50.0
724	M1O	03-353/06:49:18.0		NOTE: ENTER HGA KEEP OUT ZONE		
725	M1O	03-353/06:52:09.0		NOTE: EXIT HGA PARK		
726	M1O	03-353/06:52:21.6		NOTE: Exit Solar Eclipse 8925		03-353/06:44:02.5
727	M1O	03-353/06:57:11.0		NOTE: Enter Planetary Atmosphere 8925		03-353/06:48:52.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
728	M1O	03-353/06:58:32.7		NOTE: Enter Earth Occultation 8925		03-353/06:50:13.7
729	M1O	03-353/06:59:37.1		NOTE: North Pole Crossing 8925		03-353/06:51:18.0
730	M1O	03-353/07:01:04.1		NOTE: Apoapsis 8925 -		03-353/06:52:45.1
731	M1O	03-353/07:03:32.0	34	Acquire U/L: X/08, PWR=20.0, BR=125.0		
732	M1O	03-353/07:08:19.0		SPAWN, Engine = 65535, Parameters =	scdiag	03-353/07:00:00.0
733	M1O	03-353/07:08:20.1		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	03-353/07:00:01.1
734	M1O	03-353/07:08:21.1		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	03-353/07:00:02.1
735	M1O	03-353/07:08:32.0	34	Range Modulation On: SUP=3.0dB		
736	M1O	03-353/07:09:22.0		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-353/07:01:03.0
737	M1O	03-353/07:09:22.2		NOTE: Start Block fsw_diag		03-353/07:01:03.2
738	M1O	03-353/07:09:23.2		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	03-353/07:01:04.2
739	M1O	03-353/07:09:24.2		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	03-353/07:01:05.2
740	M1O	03-353/07:09:32.0	34	Begin Ranging Acquisition		
741	M1O	03-353/07:09:35.2		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	03-353/07:01:16.2
742	M1O	03-353/07:10:05.2		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	03-353/07:01:46.2
743	M1O	03-353/07:10:25.2		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	03-353/07:02:06.2
744	M1O	03-353/07:10:35.2		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	03-353/07:02:16.2
745	M1O	03-353/07:10:55.2		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	03-353/07:02:36.2
746	M1O	03-353/07:11:05.2		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	03-353/07:02:46.2
747	M1O	03-353/07:11:10.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	03-353/07:02:51.2
748	M1O	03-353/07:11:15.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	03-353/07:02:56.2
749	M1O	03-353/07:11:20.2		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	03-353/07:03:01.2
750	M1O	03-353/07:11:25.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	03-353/07:03:06.2
751	M1O	03-353/07:11:30.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	03-353/07:03:11.2
752	M1O	03-353/07:12:10.2		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	03-353/07:03:51.2
753	M1O	03-353/07:12:15.2		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	03-353/07:03:56.2
754	M1O	03-353/07:12:18.0		NOTE: EXIT HGA KEEP OUT ZONE		
755	M1O	03-353/07:12:20.2		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	03-353/07:04:01.2
756	M1O	03-353/07:12:25.2		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	03-353/07:04:06.2
757	M1O	03-353/07:12:30.2		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	03-353/07:04:11.2
758	M1O	03-353/07:12:31.2		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	03-353/07:04:12.2
759	M1O	03-353/07:12:32.2		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	03-353/07:04:13.2
760	M1O	03-353/07:12:33.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-353/07:04:14.2
761	M1O	03-353/07:12:44.2		NOTE: End Block fsw_diag.mod		03-353/07:04:25.2
762	M1O	03-353/07:14:12.0	15	NOTE: Below Uplink Interlock Limit		
763	M1O	03-353/07:15:12.0	14	NOTE: Below Uplink Interlock Limit		
764	M1O	03-353/07:19:13.0		SPAWN, Engine = 65535, Parameters = 00:10:22.208	cstr	03-353/07:10:53.8
765	M1O	03-353/07:19:13.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-353/07:10:53.9
766	M1O	03-353/07:19:14.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-353/07:10:54.9
767	M1O	03-353/07:19:15.1		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-353/07:10:55.9
768	M1O	03-353/07:19:16.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-353/07:10:56.9
769	M1O	03-353/07:19:17.1		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-353/07:10:57.9
770	M1O	03-353/07:19:27.1		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-353/07:11:07.9
771	M1O	03-353/07:19:37.1		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-353/07:11:17.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
772	M1O	03-353/07:19:38.0		NOTE: Exit Earth Occultation 8925		03-353/07:11:18.8
773	M1O	03-353/07:19:38.0	14	Acquisition Of X-Band Signal		
774	M1O	03-353/07:19:38.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
775	M1O	03-353/07:19:38.0	15	Acquisition Of X-Band Signal		
776	M1O	03-353/07:19:38.0	15	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
777	M1O	03-353/07:19:38.0	34	Acquisition Of X-Band Signal		
778	M1O	03-353/07:19:38.0	34	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
779	M1O	03-353/07:20:10.1	14	Acquire D/L: X/08, 3-Way/34, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
780	M1O	03-353/07:20:10.1	15	Acquire D/L: X/08, 3-Way/34, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
781	M1O	03-353/07:20:10.1	34	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
782	M1O	03-353/07:21:00.7		NOTE: Exit Planetary Atmosphere 8925		03-353/07:12:41.6
783	M1O	03-353/07:25:00.0	14	End Tracking		
784	M1O	03-353/07:25:00.0	15	End Tracking		
785	M1O	03-353/07:25:00.2		NOTE: Changing to 34M (BWG) downlink rate: 66360_BPS		03-353/07:16:41.0
786	M1O	03-353/07:25:00.2		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 66360_BPS	DOWNLINK_RATE	03-353/07:16:41.0
787	M1O	03-353/07:25:00.2	34	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
788	M1O	03-353/07:29:34.9		NOTE: Descending Node Crossing 8926		03-353/07:21:15.7
789	M1O	03-353/07:29:59.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-353/07:21:40.1
790	M1O	03-353/07:30:00.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-353/07:21:41.1
791	M1O	03-353/07:30:00.3	34	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
792	M1O	03-353/07:30:01.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-353/07:21:42.1
793	M1O	03-353/07:40:00.0	14	End Post-Cal		
794	M1O	03-353/07:40:00.0	15	End Post-Cal		
795	M1O	03-353/07:58:57.2		NOTE: South Pole Crossing 8926		03-353/07:50:37.9
796	M1O	03-353/07:59:49.0		NOTE: Periapsis 8926 ----------		03-353/07:51:29.8
797	M1O	03-353/08:16:15.0	34	NOTE: X-Band Transmitter Off in 15 minutes		
798	M1O	03-353/08:26:15.0	34	Range Modulation Off		
799	M1O	03-353/08:28:05.7		NOTE: Enter Solar Eclipse 8926		03-353/08:19:46.4
800	M1O	03-353/08:28:17.5		NOTE: Ascending Node Crossing 8926		03-353/08:19:58.1
801	M1O	03-353/08:31:15.0	34	X-Band Transmitter Off		
802	M1O	03-353/08:46:51.1		SPAWN, Engine = 65535, Parameters = 3, 00:36:52, 1	dpt	03-353/08:38:31.8
803	M1O	03-353/08:46:53.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-353/08:38:33.9
804	M1O	03-353/08:46:53.2	34	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
805	M1O	03-353/08:46:54.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-353/08:38:34.9
806	M1O	03-353/08:47:53.6	34	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
807	M1O	03-353/08:47:54.3		NOTE: ENTER HGA KEEP OUT ZONE		
808	M1O	03-353/08:47:54.3	34	NOTE: Loss Of X-Band Signal		
809	M1O	03-353/08:50:55.4		NOTE: Exit Solar Eclipse 8926		03-353/08:42:36.0
810	M1O	03-353/08:55:49.6		NOTE: Enter Planetary Atmosphere 8926		03-353/08:47:30.2
811	M1O	03-353/08:57:11.4		NOTE: Enter Earth Occultation 8926		03-353/08:48:52.0
812	M1O	03-353/08:58:13.7		NOTE: North Pole Crossing 8926		03-353/08:49:54.3
813	M1O	03-353/08:59:33.2		NOTE: Apoapsis 8926 -		03-353/08:51:13.8
814	M1O	03-353/09:02:07.0	34	Acquire U/L: X/08, PWR=20.0, BR=125.0		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
815	M1O	03-353/09:07:07.0	34	Range Modulation On: SUP=3.0dB		
816	M1O	03-353/09:08:07.0	34	Begin Ranging Acquisition		
817	M1O	03-353/09:10:54.4		NOTE: EXIT HGA KEEP OUT ZONE		
818	M1O	03-353/09:13:21.0	34	NOTE: X-Band Transmitter Off in 15 minutes		
819	M1O	03-353/09:18:13.8		NOTE: Exit Earth Occultation 8926		03-353/09:09:54.3
820	M1O	03-353/09:18:13.8	34	Acquisition Of X-Band Signal		
821	M1O	03-353/09:18:13.8	34	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
822	M1O	03-353/09:18:45.8	34	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
823	M1O	03-353/09:19:36.7		NOTE: Exit Planetary Atmosphere 8926		03-353/09:11:17.2
824	M1O	03-353/09:23:21.0	34	Range Modulation Off		
825	M1O	03-353/09:23:45.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-353/09:15:25.9
826	M1O	03-353/09:23:45.3	34	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
827	M1O	03-353/09:23:46.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-353/09:15:26.9
828	M1O	03-353/09:28:12.1		NOTE: Descending Node Crossing 8927		03-353/09:19:52.6
829	M1O	03-353/09:28:20.9	34	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
830	M1O	03-353/09:28:21.0	34	X-Band Transmitter Off		
831	M1O	03-353/09:36:49.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-353/09:28:30.0
832	M1O	03-353/09:37:05.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-351T09:28:30.100, 2003-353T09:28:30.100	PCKTS_RE_TX_TIME	03-353/09:28:45.8
833	M1O	03-353/09:37:06.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-351T09:28:30.100, 2003-353T09:28:30.100	PCKTS_RE_TX_TIME	03-353/09:28:46.8
834	M1O	03-353/09:37:07.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-351T09:28:30.100, 2003-353T09:28:30.100	PCKTS_RE_TX_TIME	03-353/09:28:47.8
835	M1O	03-353/09:37:08.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-351T09:28:30.100, 2003-353T09:28:30.100	PCKTS_RE_TX_TIME	03-353/09:28:48.8
836	M1O	03-353/09:37:09.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-351T09:28:30.100, 2003-353T09:28:30.100	PCKTS_RE_TX_TIME	03-353/09:28:49.8
837	M1O	03-353/09:37:10.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-351T09:28:30.100, 2003-353T09:28:30.100	PCKTS_RE_TX_TIME	03-353/09:28:50.8
838	M1O	03-353/09:37:10.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-353/09:28:50.8
839	M1O	03-353/09:37:10.3	34	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
840	M1O	03-353/09:44:11.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-353/09:35:51.8
841	M1O	03-353/09:44:11.3	34	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
842	M1O	03-353/09:44:12.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-353/09:35:52.8
843	M1O	03-353/09:44:28.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-353/09:36:08.8
844	M1O	03-353/09:44:28.3	34	D/L RF Warning: SC antenna change - expect signal level variation		
845	M1O	03-353/09:44:29.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-353/09:36:09.8
846	M1O	03-353/09:44:59.9	34	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
847	M1O	03-353/09:45:00.0	34	End Tracking		
848	M1O	03-353/09:57:34.3		NOTE: South Pole Crossing 8927		03-353/09:49:14.7
849	M1O	03-353/09:58:22.7		NOTE: Periapsis 8927 ----------		03-353/09:50:03.1
850	M1O	03-353/10:00:00.0	34	End Post-Cal		
851	M1O	03-353/10:26:42.3		NOTE: Enter Solar Eclipse 8927		03-353/10:18:22.6
852	M1O	03-353/10:26:54.4		NOTE: Ascending Node Crossing 8927		03-353/10:18:34.7
853	M1O	03-353/10:46:31.7		NOTE: ENTER HGA KEEP OUT ZONE		
854	M1O	03-353/10:49:32.9		NOTE: Exit Solar Eclipse 8927		03-353/10:41:13.2
855	M1O	03-353/10:54:23.8		NOTE: Enter Planetary Atmosphere 8927		03-353/10:46:04.0
856	M1O	03-353/10:55:45.4		NOTE: Enter Earth Occultation 8927		03-353/10:47:25.7
857	M1O	03-353/10:56:50.1		NOTE: North Pole Crossing 8927		03-353/10:48:30.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
858	M1O	03-353/10:57:53.1		NOTE: Apoapsis 8927 -		03-353/10:49:33.3
859	M1O	03-353/11:09:31.8		NOTE: EXIT HGA KEEP OUT ZONE		
860	M1O	03-353/11:16:51.2		NOTE: Exit Earth Occultation 8927		03-353/11:08:31.4
861	M1O	03-353/11:18:13.9		NOTE: Exit Planetary Atmosphere 8927		03-353/11:09:54.1
862	M1O	03-353/11:26:47.7		NOTE: Descending Node Crossing 8928		03-353/11:18:27.9
863	M1O	03-353/11:56:10.1		NOTE: South Pole Crossing 8928		03-353/11:47:50.1
864	M1O	03-353/11:56:59.4		NOTE: Periapsis 8928 ----------		03-353/11:48:39.5
865	M1O	03-353/12:25:17.5		NOTE: Enter Solar Eclipse 8928		03-353/12:16:57.4
866	M1O	03-353/12:25:30.2		NOTE: Ascending Node Crossing 8928		03-353/12:17:10.2
867	M1O	03-353/12:45:08.0		NOTE: ENTER HGA KEEP OUT ZONE		
868	M1O	03-353/12:48:11.4		NOTE: Exit Solar Eclipse 8928		03-353/12:39:51.3
869	M1O	03-353/12:52:53.5		NOTE: Enter Planetary Atmosphere 8928		03-353/12:44:33.4
870	M1O	03-353/12:54:14.7		NOTE: Enter Earth Occultation 8928		03-353/12:45:54.6
871	M1O	03-353/12:55:24.7		NOTE: North Pole Crossing 8928		03-353/12:47:04.6
872	M1O	03-353/12:56:26.9		NOTE: Apoapsis 8928 -		03-353/12:48:06.8
873	M1O	03-353/13:00:00.0	55	Begin Pre-Cal		
874	M1O	03-353/13:00:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
875	M1O	03-353/13:00:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
876	M1O	03-353/13:00:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
877	M1O	03-353/13:00:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
878	M1O	03-353/13:00:00.0	55	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
879	M1O	03-353/13:00:00.0	55	Config: RCV: Parms:		
880	M1O	03-353/13:00:00.0	55	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
881	M1O	03-353/13:00:00.0	55	Config: TGC: BAND=X, SR=132720.000000		
882	M1O	03-353/13:00:00.0	55	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
883	M1O	03-353/13:08:08.1		NOTE: EXIT HGA KEEP OUT ZONE		
884	M1O	03-353/13:15:27.6		NOTE: Exit Earth Occultation 8928		03-353/13:07:07.4
885	M1O	03-353/13:16:49.8		NOTE: Exit Planetary Atmosphere 8928		03-353/13:08:29.6
886	M1O	03-353/13:25:21.0		NOTE: Descending Node Crossing 8929		03-353/13:17:00.8
887	M1O	03-353/13:54:43.0		NOTE: South Pole Crossing 8929		03-353/13:46:22.7
888	M1O	03-353/13:55:35.2		NOTE: Periapsis 8929 ----------		03-353/13:47:14.9
889	M1O	03-353/14:23:49.1		NOTE: Enter Solar Eclipse 8929		03-353/14:15:28.7
890	M1O	03-353/14:24:02.8		NOTE: Ascending Node Crossing 8929		03-353/14:15:42.4
891	M1O	03-353/14:29:35.4		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-353/14:21:15.0
892	M1O	03-353/14:29:35.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-353/14:21:15.1
893	M1O	03-353/14:29:36.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-353/14:21:16.1
894	M1O	03-353/14:29:37.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-353/14:21:17.1
895	M1O	03-353/14:29:38.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-353/14:21:18.1
896	M1O	03-353/14:29:39.5		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-353/14:21:19.1
897	M1O	03-353/14:29:49.5		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-353/14:21:29.1
898	M1O	03-353/14:29:59.5		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-353/14:21:39.1
899	M1O	03-353/14:30:00.0	55	Begin Tracking		
900	M1O	03-353/14:30:00.0	55	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
901	M1O	03-353/14:34:59.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-353/14:26:39.1
902	M1O	03-353/14:35:00.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-353/14:26:40.1
903	M1O	03-353/14:35:00.5	55	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
904	M1O	03-353/14:35:01.5		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-353/14:26:41.1
905	M1O	03-353/14:42:39.4		SPAWN, Engine = 65535, Parameters = 3, 00:36:18.821, 1	dpt	03-353/14:34:19.0
906	M1O	03-353/14:42:41.5		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	03-353/14:34:21.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
907	M1O	03-353/14:42:41.5	55	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
908	M1O	03-353/14:42:42.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-353/14:34:22.1
909	M1O	03-353/14:43:41.4		NOTE: ENTER HGA KEEP OUT ZONE		
910	M1O	03-353/14:43:41.4	55	NOTE: Loss Of X-Band Signal		
911	M1O	03-353/14:46:45.7		NOTE: Exit Solar Eclipse 8929		03-353/14:38:25.3
912	M1O	03-353/14:51:22.5		NOTE: Enter Planetary Atmosphere 8929		03-353/14:43:02.0
913	M1O	03-353/14:52:43.5		NOTE: Enter Earth Occultation 8929		03-353/14:44:23.0
914	M1O	03-353/14:53:56.7		NOTE: North Pole Crossing 8929		03-353/14:45:36.3
915	M1O	03-353/14:55:14.5		NOTE: Apoapsis 8929 -		03-353/14:46:54.1
916	M1O	03-353/15:06:41.5		NOTE: EXIT HGA KEEP OUT ZONE		
917	M1O	03-353/15:14:00.3		NOTE: Exit Earth Occultation 8929		03-353/15:05:39.8
918	M1O	03-353/15:14:00.3	55	Acquisition Of X-Band Signal		
919	M1O	03-353/15:14:00.3	55	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
920	M1O	03-353/15:15:22.3		NOTE: Exit Planetary Atmosphere 8929		03-353/15:07:01.8
921	M1O	03-353/15:19:00.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-353/15:10:39.9
922	M1O	03-353/15:19:00.4	55	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
923	M1O	03-353/15:19:01.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-353/15:10:40.9
924	M1O	03-353/15:23:52.7		NOTE: Descending Node Crossing 8930		03-353/15:15:32.1
925	M1O	03-353/15:53:13.7		NOTE: South Pole Crossing 8930		03-353/15:44:53.0
926	M1O	03-353/15:53:56.0		NOTE: Periapsis 8930 ----------		03-353/15:45:35.4
927	M1O	03-353/16:22:19.7		NOTE: Enter Solar Eclipse 8930		03-353/16:13:59.0
928	M1O	03-353/16:22:33.0		NOTE: Ascending Node Crossing 8930		03-353/16:14:12.3
929	M1O	03-353/16:40:50.7		SPAWN, Engine = 65535, Parameters = 3, 00:36:37.301, 1	dpt	03-353/16:32:30.0
930	M1O	03-353/16:40:52.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-353/16:32:32.1
931	M1O	03-353/16:40:52.8	55	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
932	M1O	03-353/16:40:53.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-353/16:32:33.1
933	M1O	03-353/16:41:52.7		NOTE: ENTER HGA KEEP OUT ZONE		
934	M1O	03-353/16:41:52.7	55	NOTE: Loss Of X-Band Signal		
935	M1O	03-353/16:45:13.1		NOTE: Exit Solar Eclipse 8930		03-353/16:36:52.3
936	M1O	03-353/16:49:56.8		NOTE: Enter Planetary Atmosphere 8930		03-353/16:41:36.0
937	M1O	03-353/16:51:18.0		NOTE: Enter Earth Occultation 8930		03-353/16:42:57.2
938	M1O	03-353/16:52:28.0		NOTE: North Pole Crossing 8930		03-353/16:44:07.2
939	M1O	03-353/16:53:28.0		NOTE: Apoapsis 8930 -		03-353/16:45:07.2
940	M1O	03-353/17:05:12.8		NOTE: EXIT HGA KEEP OUT ZONE		
941	M1O	03-353/17:12:30.1		NOTE: Exit Earth Occultation 8930		03-353/17:04:09.3
942	M1O	03-353/17:12:30.1	55	Acquisition Of X-Band Signal		
943	M1O	03-353/17:12:30.1	55	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
944	M1O	03-353/17:13:52.5		NOTE: Exit Planetary Atmosphere 8930		03-353/17:05:31.6
945	M1O	03-353/17:17:30.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-353/17:09:09.4
946	M1O	03-353/17:17:30.2	55	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
947	M1O	03-353/17:17:31.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-353/17:09:10.4
948	M1O	03-353/17:22:24.8		NOTE: Descending Node Crossing 8931		03-353/17:14:03.9
949	M1O	03-353/17:51:46.0		NOTE: South Pole Crossing 8931		03-353/17:43:25.0
950	M1O	03-353/17:52:05.8		NOTE: Periapsis 8931 ----------		03-353/17:43:44.8
951	M1O	03-353/18:20:55.1		NOTE: Enter Solar Eclipse 8931		03-353/18:12:34.0
952	M1O	03-353/18:21:06.3		NOTE: Ascending Node Crossing 8931		03-353/18:12:45.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
953	M1O	03-353/18:39:23.1		SPAWN, Engine = 65535, Parameters = 3, 00:36:36.203, 1	dpt	03-353/18:31:02.0
954	M1O	03-353/18:39:25.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-353/18:31:04.1
955	M1O	03-353/18:39:25.2	55	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
956	M1O	03-353/18:39:26.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-353/18:31:05.1
957	M1O	03-353/18:40:25.1		NOTE: ENTER HGA KEEP OUT ZONE		
958	M1O	03-353/18:40:25.1	55	NOTE: Loss Of X-Band Signal		
959	M1O	03-353/18:43:41.7		NOTE: Exit Solar Eclipse 8931		03-353/18:35:20.6
960	M1O	03-353/18:48:35.6		NOTE: Enter Planetary Atmosphere 8931		03-353/18:40:14.4
961	M1O	03-353/18:49:57.3		NOTE: Enter Earth Occultation 8931		03-353/18:41:36.2
962	M1O	03-353/18:51:02.2		NOTE: North Pole Crossing 8931		03-353/18:42:41.0
963	M1O	03-353/18:51:44.0		NOTE: Apoapsis 8931 -		03-353/18:43:22.9
964	M1O	03-353/19:03:45.2		NOTE: EXIT HGA KEEP OUT ZONE		
965	M1O	03-353/19:11:01.4		NOTE: Exit Earth Occultation 8931		03-353/19:02:40.2
966	M1O	03-353/19:11:01.4	55	Acquisition Of X-Band Signal		
967	M1O	03-353/19:11:01.4	55	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
968	M1O	03-353/19:12:24.2		NOTE: Exit Planetary Atmosphere 8931		03-353/19:04:03.0
969	M1O	03-353/19:16:01.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-353/19:07:40.3
970	M1O	03-353/19:16:01.5	55	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
971	M1O	03-353/19:16:02.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-353/19:07:41.3
972	M1O	03-353/19:20:59.5		NOTE: Descending Node Crossing 8932		03-353/19:12:38.2
973	M1O	03-353/19:50:22.1		NOTE: South Pole Crossing 8932		03-353/19:42:00.8
974	M1O	03-353/19:50:57.8		NOTE: Periapsis 8932 ----------		03-353/19:42:36.4
975	M1O	03-353/20:19:32.0		NOTE: Enter Solar Eclipse 8932		03-353/20:11:10.6
976	M1O	03-353/20:19:43.3		NOTE: Ascending Node Crossing 8932		03-353/20:11:21.8
977	M1O	03-353/20:38:17.4		SPAWN, Engine = 65535, Parameters = 3, 00:36:16.111, 1	dpt	03-353/20:29:56.0
978	M1O	03-353/20:38:19.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-353/20:29:58.1
979	M1O	03-353/20:38:19.5	55	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
980	M1O	03-353/20:38:20.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-353/20:29:59.1
981	M1O	03-353/20:39:19.4		NOTE: ENTER HGA KEEP OUT ZONE		
982	M1O	03-353/20:39:19.4	55	NOTE: Loss Of X-Band Signal		
983	M1O	03-353/20:42:17.0		NOTE: Exit Solar Eclipse 8932		03-353/20:33:55.5
984	M1O	03-353/20:47:13.0		NOTE: Enter Planetary Atmosphere 8932		03-353/20:38:51.5
985	M1O	03-353/20:48:35.0		NOTE: Enter Earth Occultation 8932		03-353/20:40:13.4
986	M1O	03-353/20:49:38.7		NOTE: North Pole Crossing 8932		03-353/20:41:17.2
987	M1O	03-353/20:50:49.2		NOTE: Apoapsis 8932 -		03-353/20:42:27.7
988	M1O	03-353/21:02:19.5		NOTE: EXIT HGA KEEP OUT ZONE		
989	M1O	03-353/21:09:35.7		NOTE: Exit Earth Occultation 8932		03-353/21:01:14.1
990	M1O	03-353/21:09:35.7	55	Acquisition Of X-Band Signal		
991	M1O	03-353/21:09:35.7	55	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
992	M1O	03-353/21:10:58.6		NOTE: Exit Planetary Atmosphere 8932		03-353/21:02:37.0
993	M1O	03-353/21:14:35.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-353/21:06:14.2
994	M1O	03-353/21:14:35.8	55	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
995	M1O	03-353/21:14:36.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-353/21:06:15.2
996	M1O	03-353/21:19:36.0		NOTE: Descending Node Crossing 8933		03-353/21:11:14.4
997	M1O	03-353/21:48:59.4		NOTE: South Pole Crossing 8933		03-353/21:40:37.7
998	M1O	03-353/21:50:04.9		NOTE: Periapsis 8933 ----------		03-353/21:41:43.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
999	M1O	03-353/22:18:07.5		NOTE: Enter Solar Eclipse 8933		03-353/22:09:45.7
1000	M1O	03-353/22:18:20.4		NOTE: Ascending Node Crossing 8933		03-353/22:09:58.6
1001	M1O	03-353/22:36:53.8		SPAWN, Engine = 65535, Parameters = 3, 00:36:15.635, 1	dpt	03-353/22:28:32.0
1002	M1O	03-353/22:36:55.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-353/22:28:34.1
1003	M1O	03-353/22:36:55.9	55	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1004	M1O	03-353/22:36:56.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-353/22:28:35.1
1005	M1O	03-353/22:37:55.8		NOTE: ENTER HGA KEEP OUT ZONE		
1006	M1O	03-353/22:37:55.8	55	NOTE: Loss Of X-Band Signal		
1007	M1O	03-353/22:40:54.1		NOTE: Exit Solar Eclipse 8933		03-353/22:32:32.2
1008	M1O	03-353/22:45:48.9		NOTE: Enter Planetary Atmosphere 8933		03-353/22:37:27.0
1009	M1O	03-353/22:47:10.9		NOTE: Enter Earth Occultation 8933		03-353/22:38:49.0
1010	M1O	03-353/22:48:15.4		NOTE: North Pole Crossing 8933		03-353/22:39:53.6
1011	M1O	03-353/22:50:00.7		NOTE: Apoapsis 8933 -		03-353/22:41:38.8
1012	M1O	03-353/23:00:55.9		NOTE: EXIT HGA KEEP OUT ZONE		
1013	M1O	03-353/23:08:11.5		NOTE: Exit Earth Occultation 8933		03-353/22:59:49.6
1014	M1O	03-353/23:08:11.5	55	Acquisition Of X-Band Signal		
1015	M1O	03-353/23:08:11.5	55	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1016	M1O	03-353/23:09:34.5		NOTE: Exit Planetary Atmosphere 8933		03-353/23:01:12.6
1017	M1O	03-353/23:13:11.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-353/23:04:49.7
1018	M1O	03-353/23:13:11.6	55	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1019	M1O	03-353/23:13:12.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-353/23:04:50.7
1020	M1O	03-353/23:18:13.1		NOTE: Descending Node Crossing 8934		03-353/23:09:51.1
1021	M1O	03-353/23:26:50.9		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-353/23:18:29.0
1022	M1O	03-353/23:27:06.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-351T23:18:29.100, 2003-353T23:18:29.100	PCKTS_RE_TX_TIME	03-353/23:18:44.8
1023	M1O	03-353/23:27:07.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-351T23:18:29.100, 2003-353T23:18:29.100	PCKTS_RE_TX_TIME	03-353/23:18:45.8
1024	M1O	03-353/23:27:08.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-351T23:18:29.100, 2003-353T23:18:29.100	PCKTS_RE_TX_TIME	03-353/23:18:46.8
1025	M1O	03-353/23:27:09.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-351T23:18:29.100, 2003-353T23:18:29.100	PCKTS_RE_TX_TIME	03-353/23:18:47.8
1026	M1O	03-353/23:27:10.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-351T23:18:29.100, 2003-353T23:18:29.100	PCKTS_RE_TX_TIME	03-353/23:18:48.8
1027	M1O	03-353/23:27:11.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-351T23:18:29.100, 2003-353T23:18:29.100	PCKTS_RE_TX_TIME	03-353/23:18:49.8
1028	M1O	03-353/23:27:11.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-353/23:18:49.8
1029	M1O	03-353/23:27:11.8	55	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1030	M1O	03-353/23:34:12.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-353/23:25:50.8
1031	M1O	03-353/23:34:12.8	55	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1032	M1O	03-353/23:34:13.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-353/23:25:51.8
1033	M1O	03-353/23:34:29.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-353/23:26:07.8
1034	M1O	03-353/23:34:29.8	55	D/L RF Warning: SC antenna change - expect signal level variation		
1035	M1O	03-353/23:34:30.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-353/23:26:08.8
1036	M1O	03-353/23:35:00.0	55	End Tracking		
1037	M1O	03-353/23:47:35.9		NOTE: South Pole Crossing 8934		03-353/23:39:13.9
1038	M1O	03-353/23:48:57.6		NOTE: Periapsis 8934 ----------		03-353/23:40:35.5
1039	M1O	03-353/23:50:00.0	55	End Post-Cal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1040	M1O	03-354/00:00:00.0		Light Time: OWLT = 08:22, RTLT = 16:44		
1041	M1O	03-354/00:00:00.0	25	Begin Pre-Cal		
1042	M1O	03-354/00:00:00.0	25	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
1043	M1O	03-354/00:00:00.0	25	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
1044	M1O	03-354/00:00:00.0	25	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
1045	M1O	03-354/00:00:00.0	25	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1046	M1O	03-354/00:00:00.0	25	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
1047	M1O	03-354/00:00:00.0	25	Config: RCV: Parms:		
1048	M1O	03-354/00:00:00.0	25	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
1049	M1O	03-354/00:00:00.0	25	Config: TGC: BAND=X, SR=132720.000000		
1050	M1O	03-354/00:00:00.0	25	Config: TXL		
1051	M1O	03-354/00:00:00.0	25	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
1052	M1O	03-354/00:00:00.0	25	Config: CMD		
1053	M1O	03-354/00:00:00.0	25	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
1054	M1O	03-354/00:16:40.8		NOTE: Enter Solar Eclipse 8934		03-354/00:08:18.6
1055	M1O	03-354/00:16:55.8		NOTE: Ascending Node Crossing 8934		03-354/00:08:33.7
1056	M1O	03-354/00:36:33.2		NOTE: ENTER HGA KEEP OUT ZONE		
1057	M1O	03-354/00:39:31.0		NOTE: Exit Solar Eclipse 8934		03-354/00:31:08.8
1058	M1O	03-354/00:44:21.5		NOTE: Enter Planetary Atmosphere 8934		03-354/00:35:59.3
1059	M1O	03-354/00:45:43.3		NOTE: Enter Earth Occultation 8934		03-354/00:37:21.1
1060	M1O	03-354/00:46:50.7		NOTE: North Pole Crossing 8934		03-354/00:38:28.5
1061	M1O	03-354/00:48:39.0		NOTE: Apoapsis 8934 -		03-354/00:40:16.8
1062	M1O	03-354/00:59:33.2		NOTE: EXIT HGA KEEP OUT ZONE		
1063	M1O	03-354/01:06:48.3		NOTE: Exit Earth Occultation 8934		03-354/00:58:26.0
1064	M1O	03-354/01:08:11.1		NOTE: Exit Planetary Atmosphere 8934		03-354/00:59:48.8
1065	M1O	03-354/01:16:48.2		NOTE: Descending Node Crossing 8935		03-354/01:08:25.9
1066	M1O	03-354/01:29:35.2		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-354/01:21:12.8
1067	M1O	03-354/01:29:35.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-354/01:21:12.9
1068	M1O	03-354/01:29:36.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-354/01:21:13.9
1069	M1O	03-354/01:29:37.3		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-354/01:21:14.9
1070	M1O	03-354/01:29:38.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-354/01:21:15.9
1071	M1O	03-354/01:29:39.3		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-354/01:21:16.9
1072	M1O	03-354/01:29:49.3		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-354/01:21:26.9
1073	M1O	03-354/01:29:59.3		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-354/01:21:36.9
1074	M1O	03-354/01:30:00.0	25	Begin Tracking		
1075	M1O	03-354/01:30:00.0	25	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1076	M1O	03-354/01:31:00.0	25	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1077	M1O	03-354/01:34:59.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-354/01:26:36.9
1078	M1O	03-354/01:35:00.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-354/01:26:37.9
1079	M1O	03-354/01:35:00.3	25	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1080	M1O	03-354/01:35:01.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-354/01:26:38.9
1081	M1O	03-354/01:36:00.0	25	Range Modulation On: SUP=3.0dB		
1082	M1O	03-354/01:37:00.0	25	Begin Ranging Acquisition		
1083	M1O	03-354/01:46:09.8		NOTE: South Pole Crossing 8935		03-354/01:37:47.4
1084	M1O	03-354/01:46:42.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-354/01:38:20.0
1085	M1O	03-354/01:46:44.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-354/01:38:22.1
1086	M1O	03-354/01:46:44.5	25	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1087	M1O	03-354/01:46:45.5		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	03-354/01:38:23.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
1088	M1O	03-354/01:47:19.4		NOTE: Periapsis 8935 ----------		03-354/01:38:57.0
1089	M1O	03-354/01:47:44.7	25	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1090	M1O	03-354/01:52:44.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-354/01:44:22.1
1091	M1O	03-354/01:52:44.5	25	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1092	M1O	03-354/01:52:45.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-354/01:44:23.1
1093	M1O	03-354/02:03:22.0	25	NOTE: X-Band Transmitter Off in 15 minutes		
1094	M1O	03-354/02:13:22.0	25	Range Modulation Off		
1095	M1O	03-354/02:15:12.5		NOTE: Enter Solar Eclipse 8935		03-354/02:06:50.0
1096	M1O	03-354/02:15:28.7		NOTE: Ascending Node Crossing 8935		03-354/02:07:06.2
1097	M1O	03-354/02:18:22.0	25	X-Band Transmitter Off		
1098	M1O	03-354/02:34:04.5		SPAWN, Engine = 65535, Parameters = 3, 00:36:47, 1	dpt	03-354/02:25:42.0
1099	M1O	03-354/02:34:06.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-354/02:25:44.1
1100	M1O	03-354/02:34:06.6	25	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1101	M1O	03-354/02:34:07.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-354/02:25:45.1
1102	M1O	03-354/02:35:07.0	25	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1103	M1O	03-354/02:35:08.5		NOTE: ENTER HGA KEEP OUT ZONE		
1104	M1O	03-354/02:35:08.5	25	NOTE: Loss Of X-Band Signal		
1105	M1O	03-354/02:38:05.8		NOTE: Exit Solar Eclipse 8935		03-354/02:29:43.2
1106	M1O	03-354/02:42:50.8		NOTE: Enter Planetary Atmosphere 8935		03-354/02:34:28.2
1107	M1O	03-354/02:44:12.2		NOTE: Enter Earth Occultation 8935		03-354/02:35:49.6
1108	M1O	03-354/02:45:23.3		NOTE: North Pole Crossing 8935		03-354/02:37:00.7
1109	M1O	03-354/02:46:50.1		NOTE: Apoapsis 8935 -		03-354/02:38:27.5
1110	M1O	03-354/02:49:09.0	25	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1111	M1O	03-354/02:54:09.0	25	Range Modulation On: SUP=3.0dB		
1112	M1O	03-354/02:55:09.0	25	Begin Ranging Acquisition		
1113	M1O	03-354/02:58:08.6		NOTE: EXIT HGA KEEP OUT ZONE		
1114	M1O	03-354/03:05:22.6		NOTE: Exit Earth Occultation 8935		03-354/02:57:00.0
1115	M1O	03-354/03:05:22.6	25	Acquisition Of X-Band Signal		
1116	M1O	03-354/03:05:22.6	25	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1117	M1O	03-354/03:05:54.2	25	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1118	M1O	03-354/03:06:45.1		NOTE: Exit Planetary Atmosphere 8935		03-354/02:58:22.5
1119	M1O	03-354/03:10:53.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-354/03:02:31.1
1120	M1O	03-354/03:10:53.7	25	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1121	M1O	03-354/03:10:54.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-354/03:02:32.1
1122	M1O	03-354/03:15:20.1		NOTE: Descending Node Crossing 8936		03-354/03:06:57.4
1123	M1O	03-354/03:44:41.3		NOTE: South Pole Crossing 8936		03-354/03:36:18.5
1124	M1O	03-354/03:45:31.2		NOTE: Periapsis 8936 ----------		03-354/03:37:08.4
1125	M1O	03-354/04:01:33.0	25	NOTE: X-Band Transmitter Off in 15 minutes		
1126	M1O	03-354/04:11:33.0	25	Range Modulation Off		
1127	M1O	03-354/04:13:44.8		NOTE: Enter Solar Eclipse 8936		03-354/04:05:21.9
1128	M1O	03-354/04:14:00.5		NOTE: Ascending Node Crossing 8936		03-354/04:05:37.7
1129	M1O	03-354/04:16:33.0	25	X-Band Transmitter Off		
1130	M1O	03-354/04:32:15.9		SPAWN, Engine = 65535, Parameters = 3, 00:37:06, 1	dpt	03-354/04:23:53.0
1131	M1O	03-354/04:32:18.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-354/04:23:55.1
1132	M1O	03-354/04:32:18.0	25	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1133	M1O	03-354/04:32:19.0		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	03-354/04:23:56.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
1134	M1O	03-354/04:33:18.7	25	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1135	M1O	03-354/04:33:19.9		NOTE: ENTER HGA KEEP OUT ZONE		
1136	M1O	03-354/04:33:19.9	25	NOTE: Loss Of X-Band Signal		
1137	M1O	03-354/04:36:36.9		NOTE: Exit Solar Eclipse 8936		03-354/04:28:13.9
1138	M1O	03-354/04:41:21.8		NOTE: Enter Planetary Atmosphere 8936		03-354/04:32:58.9
1139	M1O	03-354/04:42:43.4		NOTE: Enter Earth Occultation 8936		03-354/04:34:20.4
1140	M1O	03-354/04:43:54.6		NOTE: North Pole Crossing 8936		03-354/04:35:31.7
1141	M1O	03-354/04:45:22.1		NOTE: Apoapsis 8936 -		03-354/04:36:59.1
1142	M1O	03-354/04:47:39.0	25	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1143	M1O	03-354/04:52:39.0	25	Range Modulation On: SUP=3.0dB		
1144	M1O	03-354/04:53:39.0	25	Begin Ranging Acquisition		
1145	M1O	03-354/04:56:39.9		NOTE: EXIT HGA KEEP OUT ZONE		
1146	M1O	03-354/05:03:52.6		NOTE: Exit Earth Occultation 8936		03-354/04:55:29.6
1147	M1O	03-354/05:03:52.6	25	Acquisition Of X-Band Signal		
1148	M1O	03-354/05:03:52.6	25	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1149	M1O	03-354/05:04:24.9	25	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1150	M1O	03-354/05:04:37.0	25	NOTE: X-Band Transmitter Off in 15 minutes		
1151	M1O	03-354/05:05:15.2		NOTE: Exit Planetary Atmosphere 8936		03-354/04:56:52.2
1152	M1O	03-354/05:09:24.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-354/05:01:01.1
1153	M1O	03-354/05:09:24.1	25	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1154	M1O	03-354/05:09:25.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-354/05:01:02.1
1155	M1O	03-354/05:13:50.9		NOTE: Descending Node Crossing 8937		03-354/05:05:27.9
1156	M1O	03-354/05:14:37.0	25	Range Modulation Off		
1157	M1O	03-354/05:19:37.0	25	X-Band Transmitter Off		
1158	M1O	03-354/05:26:51.0		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	03-354/05:18:28.0
1159	M1O	03-354/05:26:51.1		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-354/05:18:28.1
1160	M1O	03-354/05:26:52.1		Forces a desaturation of the reaction wheels.	RW_DESAT	03-354/05:18:29.1
1161	M1O	03-354/05:28:12.0		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-354/05:19:49.0
1162	M1O	03-354/05:28:27.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-352T05:19:49.100, 2003-354T05:19:49.100	PCKTS_RE_TX_TIME	03-354/05:20:04.8
1163	M1O	03-354/05:28:28.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-352T05:19:49.100, 2003-354T05:19:49.100	PCKTS_RE_TX_TIME	03-354/05:20:05.8
1164	M1O	03-354/05:28:29.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-352T05:19:49.100, 2003-354T05:19:49.100	PCKTS_RE_TX_TIME	03-354/05:20:06.8
1165	M1O	03-354/05:28:30.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-352T05:19:49.100, 2003-354T05:19:49.100	PCKTS_RE_TX_TIME	03-354/05:20:07.8
1166	M1O	03-354/05:28:31.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-352T05:19:49.100, 2003-354T05:19:49.100	PCKTS_RE_TX_TIME	03-354/05:20:08.8
1167	M1O	03-354/05:28:32.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-352T05:19:49.100, 2003-354T05:19:49.100	PCKTS_RE_TX_TIME	03-354/05:20:09.8
1168	M1O	03-354/05:28:32.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-354/05:20:09.8
1169	M1O	03-354/05:28:32.8	25	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1170	M1O	03-354/05:35:33.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-354/05:27:10.8
1171	M1O	03-354/05:35:33.8	25	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1172	M1O	03-354/05:35:34.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-354/05:27:11.8
1173	M1O	03-354/05:35:50.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-354/05:27:27.8
1174	M1O	03-354/05:35:50.9	25	D/L RF Warning: SC antenna change - expect signal level variation		
1175	M1O	03-354/05:35:51.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-354/05:27:28.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1176	M1O	03-354/05:36:23.1	25	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1177	M1O	03-354/05:38:22.2		CALL, Engine = , Parameters = FALSE	park_hga	03-354/05:29:59.1
1178	M1O	03-354/05:38:22.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-354/05:29:59.1
1179	M1O	03-354/05:38:23.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-354/05:30:00.1
1180	M1O	03-354/05:38:24.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-354/05:30:01.1
1181	M1O	03-354/05:38:24.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-354/05:30:01.1
1182	M1O	03-354/05:38:24.2		NOTE: START HGA PARK		
1183	M1O	03-354/05:38:24.2	25	NOTE: Loss Of X-Band Signal		
1184	M1O	03-354/05:38:25.2		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-354/05:30:02.1
1185	M1O	03-354/05:38:26.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-354/05:30:03.1
1186	M1O	03-354/05:42:56.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	03-354/05:34:33.1
1187	M1O	03-354/05:43:12.9		NOTE: South Pole Crossing 8937		03-354/05:34:49.8
1188	M1O	03-354/05:43:59.9		NOTE: Periapsis 8937 ----------		03-354/05:35:36.8
1189	M1O	03-354/05:46:26.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-354/05:38:03.1
1190	M1O	03-354/05:46:26.2		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-354/05:38:03.1
1191	M1O	03-354/06:10:00.0	43	Begin Pre-Cal		
1192	M1O	03-354/06:10:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
1193	M1O	03-354/06:10:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
1194	M1O	03-354/06:10:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
1195	M1O	03-354/06:10:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1196	M1O	03-354/06:10:00.0	43	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
1197	M1O	03-354/06:10:00.0	43	Config: RCV: Parms:		
1198	M1O	03-354/06:10:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
1199	M1O	03-354/06:10:00.0	43	Config: TGC: BAND=X, SR=132720.000000		
1200	M1O	03-354/06:10:00.0	43	Config: TXL		
1201	M1O	03-354/06:10:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
1202	M1O	03-354/06:10:00.0	43	Config: CMD		
1203	M1O	03-354/06:10:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
1204	M1O	03-354/06:12:18.3		NOTE: Enter Solar Eclipse 8937		03-354/06:03:55.1
1205	M1O	03-354/06:12:33.2		NOTE: Ascending Node Crossing 8937		03-354/06:04:10.0
1206	M1O	03-354/06:16:26.2		GV: GV_DESAT_ACTIVE = 1		03-354/06:08:03.0
1207	M1O	03-354/06:16:27.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	03-354/06:08:04.0
1208	M1O	03-354/06:16:27.2		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-354/06:08:04.0
1209	M1O	03-354/06:26:26.2		GV: GV_DESAT_ACTIVE = 0		03-354/06:18:03.0
1210	M1O	03-354/06:26:27.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	03-354/06:18:04.0
1211	M1O	03-354/06:26:28.2		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-354/06:18:05.0
1212	M1O	03-354/06:26:29.2		CALL, Engine = , Parameters =	unpark_hga	03-354/06:18:06.0
1213	M1O	03-354/06:26:29.2		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-354/06:18:06.0
1214	M1O	03-354/06:26:30.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-354/06:18:07.0
1215	M1O	03-354/06:31:00.2		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	03-354/06:22:37.0
1216	M1O	03-354/06:31:01.2		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	03-354/06:22:38.0
1217	M1O	03-354/06:32:11.2		NOTE: ENTER HGA KEEP OUT ZONE		
1218	M1O	03-354/06:35:01.2		NOTE: EXIT HGA PARK		
1219	M1O	03-354/06:35:04.7		NOTE: Exit Solar Eclipse 8937		03-354/06:26:41.5
1220	M1O	03-354/06:40:01.3		NOTE: Enter Planetary Atmosphere 8937		03-354/06:31:38.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1221	M1O	03-354/06:41:23.5		NOTE: Enter Earth Occultation 8937		03-354/06:33:00.2
1222	M1O	03-354/06:42:28.5		NOTE: North Pole Crossing 8937		03-354/06:34:05.2
1223	M1O	03-354/06:44:04.6		NOTE: Apoapsis 8937 -		03-354/06:35:41.3
1224	M1O	03-354/06:54:51.3		NOTE: EXIT HGA KEEP OUT ZONE		
1225	M1O	03-354/07:01:57.6		SPAWN, Engine = 65535, Parameters = 00:12:37.512	cstr	03-354/06:53:34.2
1226	M1O	03-354/07:01:57.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-354/06:53:34.3
1227	M1O	03-354/07:01:58.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-354/06:53:35.3
1228	M1O	03-354/07:01:59.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-354/06:53:36.3
1229	M1O	03-354/07:02:00.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-354/06:53:37.3
1230	M1O	03-354/07:02:01.7		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-354/06:53:38.3
1231	M1O	03-354/07:02:11.7		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-354/06:53:48.3
1232	M1O	03-354/07:02:21.7		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-354/06:53:58.3
1233	M1O	03-354/07:02:22.6		NOTE: Exit Earth Occultation 8937		03-354/06:53:59.2
1234	M1O	03-354/07:02:22.6	25	Acquisition Of X-Band Signal		
1235	M1O	03-354/07:02:22.6	25	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1236	M1O	03-354/07:03:45.8		NOTE: Exit Planetary Atmosphere 8937		03-354/06:55:22.4
1237	M1O	03-354/07:08:23.3		SPAWN, Engine = 65535, Parameters =	scdiag	03-354/07:00:00.0
1238	M1O	03-354/07:08:24.4		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	03-354/07:00:01.1
1239	M1O	03-354/07:08:25.4		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	03-354/07:00:02.1
1240	M1O	03-354/07:09:26.3		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-354/07:01:03.0
1241	M1O	03-354/07:09:26.5		NOTE: Start Block fsw_diag		03-354/07:01:03.2
1242	M1O	03-354/07:09:27.5		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	03-354/07:01:04.2
1243	M1O	03-354/07:09:28.5		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	03-354/07:01:05.2
1244	M1O	03-354/07:09:39.5		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	03-354/07:01:16.2
1245	M1O	03-354/07:10:00.0	43	Begin Tracking		
1246	M1O	03-354/07:10:00.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1247	M1O	03-354/07:10:00.1		NOTE: Changing to 70M downlink rate: 110600_BPS		03-354/07:01:36.8
1248	M1O	03-354/07:10:00.1		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	03-354/07:01:36.8
1249	M1O	03-354/07:10:00.1	25	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1250	M1O	03-354/07:10:00.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1251	M1O	03-354/07:10:09.5		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	03-354/07:01:46.2
1252	M1O	03-354/07:10:29.5		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	03-354/07:02:06.2
1253	M1O	03-354/07:10:39.5		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	03-354/07:02:16.2
1254	M1O	03-354/07:10:59.5		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	03-354/07:02:36.2
1255	M1O	03-354/07:11:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1256	M1O	03-354/07:11:09.5		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	03-354/07:02:46.2
1257	M1O	03-354/07:11:14.5		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	03-354/07:02:51.2
1258	M1O	03-354/07:11:19.5		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	03-354/07:02:56.2
1259	M1O	03-354/07:11:24.5		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	03-354/07:03:01.2
1260	M1O	03-354/07:11:29.5		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	03-354/07:03:06.2
1261	M1O	03-354/07:11:34.5		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	03-354/07:03:11.2
1262	M1O	03-354/07:12:14.5		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	03-354/07:03:51.2
1263	M1O	03-354/07:12:19.5		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	03-354/07:03:56.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1264	M1O	03-354/07:12:24.5		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	03-354/07:04:01.2
1265	M1O	03-354/07:12:26.1		NOTE: Descending Node Crossing 8938		03-354/07:04:02.7
1266	M1O	03-354/07:12:29.5		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	03-354/07:04:06.2
1267	M1O	03-354/07:12:34.5		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	03-354/07:04:11.2
1268	M1O	03-354/07:12:35.5		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	03-354/07:04:12.2
1269	M1O	03-354/07:12:36.5		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	03-354/07:04:13.2
1270	M1O	03-354/07:12:37.0	25	NOTE: Below Uplink Interlock Limit		
1271	M1O	03-354/07:12:37.5		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-354/07:04:14.2
1272	M1O	03-354/07:12:48.5		NOTE: End Block fsw_diag.mod		03-354/07:04:25.2
1273	M1O	03-354/07:13:23.3		Dummy command to mark beg/end of mini sequences: cz056a, 2003-354T10:00:02.000	START_MINI	03-354/07:05:00.0
1274	M1O	03-354/07:13:24.3		Deletes the designated file.: d:/seq/cz056a.abs	FILE_DELETE	03-354/07:05:01.0
1275	M1O	03-354/07:14:59.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-354/07:06:35.9
1276	M1O	03-354/07:15:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-354/07:06:36.9
1277	M1O	03-354/07:15:00.2	25	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1278	M1O	03-354/07:15:00.2	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1279	M1O	03-354/07:15:00.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-354/07:06:37.2
1280	M1O	03-354/07:15:00.5	25	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1281	M1O	03-354/07:15:00.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1282	M1O	03-354/07:15:01.2		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-354/07:06:37.9
1283	M1O	03-354/07:16:00.0	43	Range Modulation On: SUP=3.0dB		
1284	M1O	03-354/07:17:00.0	43	Begin Ranging Acquisition		
1285	M1O	03-354/07:25:00.0	25	End Tracking		
1286	M1O	03-354/07:26:44.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-354/07:18:21.0
1287	M1O	03-354/07:26:46.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-354/07:18:23.1
1288	M1O	03-354/07:26:47.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-354/07:18:24.1
1289	M1O	03-354/07:27:46.7	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1290	M1O	03-354/07:32:46.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-354/07:24:23.1
1291	M1O	03-354/07:32:46.6	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1292	M1O	03-354/07:32:46.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-354/07:24:23.3
1293	M1O	03-354/07:32:46.7	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1294	M1O	03-354/07:32:47.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-354/07:24:24.1
1295	M1O	03-354/07:40:00.0	25	End Post-Cal		
1296	M1O	03-354/07:41:48.3		NOTE: South Pole Crossing 8938		03-354/07:33:24.9
1297	M1O	03-354/07:42:44.2		NOTE: Periapsis 8938 ----------		03-354/07:34:20.8
1298	M1O	03-354/07:58:57.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
1299	M1O	03-354/08:08:57.0	43	Range Modulation Off		
1300	M1O	03-354/08:10:53.2		NOTE: Enter Solar Eclipse 8938		03-354/08:02:29.7
1301	M1O	03-354/08:11:08.5		NOTE: Ascending Node Crossing 8938		03-354/08:02:44.9
1302	M1O	03-354/08:13:57.0	43	X-Band Transmitter Off		
1303	M1O	03-354/08:29:41.7		SPAWN, Engine = 65535, Parameters = 3, 00:36:45, 1	dpt	03-354/08:21:18.0
1304	M1O	03-354/08:29:43.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-354/08:21:20.1
1305	M1O	03-354/08:29:44.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-354/08:21:21.1
1306	M1O	03-354/08:30:44.1	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
1307	M1O	03-354/08:30:45.6		NOTE: ENTER HGA KEEP OUT ZONE		
1308	M1O	03-354/08:30:45.6	43	NOTE: Loss Of X-Band Signal		
1309	M1O	03-354/08:33:36.4		NOTE: Exit Solar Eclipse 8938		03-354/08:25:12.8
1310	M1O	03-354/08:38:41.5		NOTE: Enter Planetary Atmosphere 8938		03-354/08:30:17.8
1311	M1O	03-354/08:40:04.0		NOTE: Enter Earth Occultation 8938		03-354/08:31:40.4
1312	M1O	03-354/08:41:04.8		NOTE: North Pole Crossing 8938		03-354/08:32:41.2
1313	M1O	03-354/08:42:36.6		NOTE: Apoapsis 8938 -		03-354/08:34:13.0
1314	M1O	03-354/08:44:42.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1315	M1O	03-354/08:49:42.0	43	Range Modulation On: SUP=3.0dB		
1316	M1O	03-354/08:50:42.0	43	Begin Ranging Acquisition		
1317	M1O	03-354/08:53:25.6		NOTE: EXIT HGA KEEP OUT ZONE		
1318	M1O	03-354/09:00:56.9		NOTE: Exit Earth Occultation 8938		03-354/08:52:33.2
1319	M1O	03-354/09:00:56.9	43	Acquisition Of X-Band Signal		
1320	M1O	03-354/09:00:56.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1321	M1O	03-354/09:01:29.3	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1322	M1O	03-354/09:02:20.5		NOTE: Exit Planetary Atmosphere 8938		03-354/08:53:56.8
1323	M1O	03-354/09:06:28.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-354/08:58:05.1
1324	M1O	03-354/09:06:28.9	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1325	M1O	03-354/09:06:29.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-354/08:58:05.3
1326	M1O	03-354/09:06:29.0	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1327	M1O	03-354/09:06:29.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-354/08:58:06.1
1328	M1O	03-354/09:11:03.5		NOTE: Descending Node Crossing 8939		03-354/09:02:39.8
1329	M1O	03-354/09:28:12.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
1330	M1O	03-354/09:38:12.0	43	Range Modulation Off		
1331	M1O	03-354/09:40:25.6		NOTE: South Pole Crossing 8939		03-354/09:32:01.8
1332	M1O	03-354/09:41:22.3		NOTE: Periapsis 8939 ----------		03-354/09:32:58.5
1333	M1O	03-354/09:43:12.0	43	X-Band Transmitter Off		
1334	M1O	03-354/09:43:12.2	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
1335	M1O	03-354/09:51:48.8		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-354/09:43:25.0
1336	M1O	03-354/09:52:04.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-352T09:43:25.100, 2003-354T09:43:25.100	PCKTS_RE_TX_TIME	03-354/09:43:40.8
1337	M1O	03-354/09:52:05.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-352T09:43:25.100, 2003-354T09:43:25.100	PCKTS_RE_TX_TIME	03-354/09:43:41.8
1338	M1O	03-354/09:52:06.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-352T09:43:25.100, 2003-354T09:43:25.100	PCKTS_RE_TX_TIME	03-354/09:43:42.8
1339	M1O	03-354/09:52:07.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-352T09:43:25.100, 2003-354T09:43:25.100	PCKTS_RE_TX_TIME	03-354/09:43:43.8
1340	M1O	03-354/09:52:08.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-352T09:43:25.100, 2003-354T09:43:25.100	PCKTS_RE_TX_TIME	03-354/09:43:44.8
1341	M1O	03-354/09:52:09.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-352T09:43:25.100, 2003-354T09:43:25.100	PCKTS_RE_TX_TIME	03-354/09:43:45.8
1342	M1O	03-354/09:52:09.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-354/09:43:45.8
1343	M1O	03-354/09:52:09.6	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1344	M1O	03-354/09:52:09.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-354/09:43:46.0
1345	M1O	03-354/09:52:09.8	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1346	M1O	03-354/09:59:10.6		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	03-354/09:50:46.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
1347	M1O	03-354/09:59:11.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-354/09:50:47.8
1348	M1O	03-354/09:59:27.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-354/09:51:03.8
1349	M1O	03-354/09:59:27.6	43	D/L RF Warning: SC antenna change - expect signal level variation		
1350	M1O	03-354/09:59:28.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-354/09:51:04.8
1351	M1O	03-354/09:59:59.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1352	M1O	03-354/10:00:00.0	43	End Tracking		
1353	M1O	03-354/10:09:29.6		NOTE: Enter Solar Eclipse 8939		03-354/10:01:05.6
1354	M1O	03-354/10:09:45.4		NOTE: Ascending Node Crossing 8939		03-354/10:01:21.5
1355	M1O	03-354/10:15:00.0	43	End Post-Cal		
1356	M1O	03-354/10:29:23.9		NOTE: ENTER HGA KEEP OUT ZONE		
1357	M1O	03-354/10:32:12.6		NOTE: Exit Solar Eclipse 8939		03-354/10:23:48.6
1358	M1O	03-354/10:37:17.9		NOTE: Enter Planetary Atmosphere 8939		03-354/10:28:53.9
1359	M1O	03-354/10:38:40.3		NOTE: Enter Earth Occultation 8939		03-354/10:30:16.3
1360	M1O	03-354/10:39:41.6		NOTE: North Pole Crossing 8939		03-354/10:31:17.6
1361	M1O	03-354/10:40:59.4		NOTE: Apoapsis 8939 -		03-354/10:32:35.4
1362	M1O	03-354/10:52:04.0		NOTE: EXIT HGA KEEP OUT ZONE		
1363	M1O	03-354/10:59:34.1		NOTE: Exit Earth Occultation 8939		03-354/10:51:10.0
1364	M1O	03-354/11:00:57.7		NOTE: Exit Planetary Atmosphere 8939		03-354/10:52:33.6
1365	M1O	03-354/11:09:40.2		NOTE: Descending Node Crossing 8940		03-354/11:01:16.1
1366	M1O	03-354/11:39:02.4		NOTE: South Pole Crossing 8940		03-354/11:30:38.2
1367	M1O	03-354/11:39:55.4		NOTE: Periapsis 8940 ----------		03-354/11:31:31.2
1368	M1O	03-354/12:08:06.1		NOTE: Enter Solar Eclipse 8940		03-354/11:59:41.8
1369	M1O	03-354/12:08:22.2		NOTE: Ascending Node Crossing 8940		03-354/11:59:57.9
1370	M1O	03-354/12:28:00.3		NOTE: ENTER HGA KEEP OUT ZONE		
1371	M1O	03-354/12:30:51.5		NOTE: Exit Solar Eclipse 8940		03-354/12:22:27.2
1372	M1O	03-354/12:35:49.4		NOTE: Enter Planetary Atmosphere 8940		03-354/12:27:25.1
1373	M1O	03-354/12:37:11.5		NOTE: Enter Earth Occultation 8940		03-354/12:28:47.1
1374	M1O	03-354/12:38:17.4		NOTE: North Pole Crossing 8940		03-354/12:29:53.1
1375	M1O	03-354/12:39:22.6		NOTE: Apoapsis 8940 -		03-354/12:30:58.2
1376	M1O	03-354/12:50:40.3		NOTE: EXIT HGA KEEP OUT ZONE		
1377	M1O	03-354/12:58:11.7		NOTE: Exit Earth Occultation 8940		03-354/12:49:47.3
1378	M1O	03-354/12:59:34.8		NOTE: Exit Planetary Atmosphere 8940		03-354/12:51:10.4
1379	M1O	03-354/13:08:14.7		NOTE: Descending Node Crossing 8941		03-354/12:59:50.2
1380	M1O	03-354/13:37:36.8		NOTE: South Pole Crossing 8941		03-354/13:29:12.3
1381	M1O	03-354/13:38:32.4		NOTE: Periapsis 8941 ----------		03-354/13:30:07.8
1382	M1O	03-354/14:06:39.5		NOTE: Enter Solar Eclipse 8941		03-354/13:58:14.9
1383	M1O	03-354/14:06:56.6		NOTE: Ascending Node Crossing 8941		03-354/13:58:31.9
1384	M1O	03-354/14:26:34.6		NOTE: ENTER HGA KEEP OUT ZONE		
1385	M1O	03-354/14:29:28.5		NOTE: Exit Solar Eclipse 8941		03-354/14:21:03.8
1386	M1O	03-354/14:34:18.2		NOTE: Enter Planetary Atmosphere 8941		03-354/14:25:53.5
1387	M1O	03-354/14:35:39.9		NOTE: Enter Earth Occultation 8941		03-354/14:27:15.2
1388	M1O	03-354/14:36:50.7		NOTE: North Pole Crossing 8941		03-354/14:28:26.0
1389	M1O	03-354/14:38:09.6		NOTE: Apoapsis 8941 -		03-354/14:29:44.9
1390	M1O	03-354/14:40:00.0	54	Begin Pre-Cal		
1391	M1O	03-354/14:40:00.0	54	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
1392	M1O	03-354/14:40:00.0	54	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
1393	M1O	03-354/14:40:00.0	54	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
1394	M1O	03-354/14:40:00.0	54	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1395	M1O	03-354/14:40:00.0	54	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
1396	M1O	03-354/14:40:00.0	54	Config: RCV: Parms:		
1397	M1O	03-354/14:40:00.0	54	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1398	M1O	03-354/14:40:00.0	54	Config: TGC: BAND=X, SR=221200.000000		
1399	M1O	03-354/14:40:00.0	54	Config: TXL		
1400	M1O	03-354/14:40:00.0	54	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
1401	M1O	03-354/14:40:00.0	54	Config: CMD		
1402	M1O	03-354/14:40:00.0	54	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
1403	M1O	03-354/14:49:14.7		NOTE: EXIT HGA KEEP OUT ZONE		
1404	M1O	03-354/14:56:46.3		NOTE: Exit Earth Occultation 8941		03-354/14:48:21.5
1405	M1O	03-354/14:58:09.0		NOTE: Exit Planetary Atmosphere 8941		03-354/14:49:44.2
1406	M1O	03-354/15:06:47.0		NOTE: Descending Node Crossing 8942		03-354/14:58:22.2
1407	M1O	03-354/15:36:08.4		NOTE: South Pole Crossing 8942		03-354/15:27:43.5
1408	M1O	03-354/15:37:03.3		NOTE: Periapsis 8942 ----------		03-354/15:28:38.4
1409	M1O	03-354/15:54:35.6		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-354/15:46:10.7
1410	M1O	03-354/15:54:35.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-354/15:46:10.8
1411	M1O	03-354/15:54:36.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-354/15:46:11.8
1412	M1O	03-354/15:54:37.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-354/15:46:12.8
1413	M1O	03-354/15:54:38.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-354/15:46:13.8
1414	M1O	03-354/15:54:39.7		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-354/15:46:14.8
1415	M1O	03-354/15:54:49.7		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-354/15:46:24.8
1416	M1O	03-354/15:54:59.7		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-354/15:46:34.8
1417	M1O	03-354/15:55:00.0	54	Begin Tracking		
1418	M1O	03-354/15:55:00.0	54	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1419	M1O	03-354/15:55:00.6		NOTE: Changing to 34M (BWG) downlink rate: 66360_BPS		03-354/15:46:35.7
1420	M1O	03-354/15:55:00.6		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 66360_BPS	DOWNLINK_RATE	03-354/15:46:35.7
1421	M1O	03-354/15:55:00.6	54	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1422	M1O	03-354/15:59:59.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-354/15:51:34.8
1423	M1O	03-354/16:00:00.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-354/15:51:35.8
1424	M1O	03-354/16:00:00.7	54	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1425	M1O	03-354/16:00:01.7		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-354/15:51:36.8
1426	M1O	03-354/16:05:09.9		NOTE: Enter Solar Eclipse 8942		03-354/15:56:44.9
1427	M1O	03-354/16:05:27.5		NOTE: Ascending Node Crossing 8942		03-354/15:57:02.6
1428	M1O	03-354/16:24:05.0		SPAWN, Engine = 65535, Parameters = 3, 00:36:42.171, 1	dpt	03-354/16:15:40.0
1429	M1O	03-354/16:24:07.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-354/16:15:42.1
1430	M1O	03-354/16:24:07.1	54	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1431	M1O	03-354/16:24:08.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-354/16:15:43.1
1432	M1O	03-354/16:25:07.0		NOTE: ENTER HGA KEEP OUT ZONE		
1433	M1O	03-354/16:25:07.0	54	NOTE: Loss Of X-Band Signal		
1434	M1O	03-354/16:27:59.2		NOTE: Exit Solar Eclipse 8942		03-354/16:19:34.2
1435	M1O	03-354/16:32:49.2		NOTE: Enter Planetary Atmosphere 8942		03-354/16:24:24.1
1436	M1O	03-354/16:34:10.9		NOTE: Enter Earth Occultation 8942		03-354/16:25:45.8
1437	M1O	03-354/16:35:22.0		NOTE: North Pole Crossing 8942		03-354/16:26:56.9
1438	M1O	03-354/16:36:40.0		NOTE: Apoapsis 8942 -		03-354/16:28:14.9
1439	M1O	03-354/16:39:00.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1440	M1O	03-354/16:44:00.0	54	Range Modulation On: SUP=3.0dB		
1441	M1O	03-354/16:45:00.0	54	Begin Ranging Acquisition		
1442	M1O	03-354/16:47:47.1		NOTE: EXIT HGA KEEP OUT ZONE		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1443	M1O	03-354/16:55:17.4		NOTE: Exit Earth Occultation 8942		03-354/16:46:52.3
1444	M1O	03-354/16:55:17.4	54	Acquisition Of X-Band Signal		
1445	M1O	03-354/16:55:17.4	54	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1446	M1O	03-354/16:55:50.1	54	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1447	M1O	03-354/16:56:40.2		NOTE: Exit Planetary Atmosphere 8942		03-354/16:48:15.1
1448	M1O	03-354/17:00:49.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-354/16:52:24.2
1449	M1O	03-354/17:00:49.4	54	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1450	M1O	03-354/17:00:50.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-354/16:52:25.2
1451	M1O	03-354/17:05:18.6		NOTE: Descending Node Crossing 8943		03-354/16:56:53.4
1452	M1O	03-354/17:34:39.5		NOTE: South Pole Crossing 8943		03-354/17:26:14.3
1453	M1O	03-354/17:35:13.8		NOTE: Periapsis 8943 ----------		03-354/17:26:48.6
1454	M1O	03-354/17:51:46.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
1455	M1O	03-354/18:01:46.0	54	Range Modulation Off		
1456	M1O	03-354/18:03:43.0		NOTE: Enter Solar Eclipse 8943		03-354/17:55:17.7
1457	M1O	03-354/18:03:59.1		NOTE: Ascending Node Crossing 8943		03-354/17:55:33.7
1458	M1O	03-354/18:06:46.0	54	X-Band Transmitter Off		
1459	M1O	03-354/18:22:34.6		SPAWN, Engine = 65535, Parameters = 3, 00:36:42, 1	dpt	03-354/18:14:09.2
1460	M1O	03-354/18:22:36.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-354/18:14:11.3
1461	M1O	03-354/18:22:36.7	54	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1462	M1O	03-354/18:22:37.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-354/18:14:12.3
1463	M1O	03-354/18:23:36.6	54	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1464	M1O	03-354/18:23:38.3		NOTE: ENTER HGA KEEP OUT ZONE		
1465	M1O	03-354/18:23:38.3	54	NOTE: Loss Of X-Band Signal		
1466	M1O	03-354/18:26:26.4		NOTE: Exit Solar Eclipse 8943		03-354/18:18:01.0
1467	M1O	03-354/18:31:26.6		NOTE: Enter Planetary Atmosphere 8943		03-354/18:23:01.2
1468	M1O	03-354/18:32:48.8		NOTE: Enter Earth Occultation 8943		03-354/18:24:23.3
1469	M1O	03-354/18:33:54.7		NOTE: North Pole Crossing 8943		03-354/18:25:29.3
1470	M1O	03-354/18:34:51.3		NOTE: Apoapsis 8943 -		03-354/18:26:25.9
1471	M1O	03-354/18:37:28.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1472	M1O	03-354/18:42:28.0	54	Range Modulation On: SUP=3.0dB		
1473	M1O	03-354/18:43:28.0	54	Begin Ranging Acquisition		
1474	M1O	03-354/18:46:18.4		NOTE: EXIT HGA KEEP OUT ZONE		
1475	M1O	03-354/18:53:47.3		NOTE: Exit Earth Occultation 8943		03-354/18:45:21.8
1476	M1O	03-354/18:53:47.3	54	Acquisition Of X-Band Signal		
1477	M1O	03-354/18:53:47.3	54	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1478	M1O	03-354/18:54:18.8	54	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1479	M1O	03-354/18:55:10.6		NOTE: Exit Planetary Atmosphere 8943		03-354/18:46:45.1
1480	M1O	03-354/18:59:18.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-354/18:50:53.3
1481	M1O	03-354/18:59:18.8	54	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1482	M1O	03-354/18:59:19.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-354/18:50:54.3
1483	M1O	03-354/19:03:52.1		NOTE: Descending Node Crossing 8944		03-354/18:55:26.6
1484	M1O	03-354/19:33:14.3		NOTE: South Pole Crossing 8944		03-354/19:24:48.7
1485	M1O	03-354/19:33:48.7		NOTE: Periapsis 8944 ----------		03-354/19:25:23.1
1486	M1O	03-354/19:50:19.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
1487	M1O	03-354/20:00:19.0	54	Range Modulation Off		
1488	M1O	03-354/20:02:20.0		NOTE: Enter Solar Eclipse 8944		03-354/19:53:54.3
1489	M1O	03-354/20:02:35.0		NOTE: Ascending Node Crossing 8944		03-354/19:54:09.3
1490	M1O	03-354/20:05:19.0	54	X-Band Transmitter Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1491	M1O	03-354/20:13:59.7		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-354/20:05:34.0
1492	M1O	03-354/20:14:15.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-352T20:05:34.100, 2003-354T20:05:34.100	PCKTS_RE_TX_TIME	03-354/20:05:49.8
1493	M1O	03-354/20:14:16.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-352T20:05:34.100, 2003-354T20:05:34.100	PCKTS_RE_TX_TIME	03-354/20:05:50.8
1494	M1O	03-354/20:14:17.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-352T20:05:34.100, 2003-354T20:05:34.100	PCKTS_RE_TX_TIME	03-354/20:05:51.8
1495	M1O	03-354/20:14:18.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-352T20:05:34.100, 2003-354T20:05:34.100	PCKTS_RE_TX_TIME	03-354/20:05:52.8
1496	M1O	03-354/20:14:19.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-352T20:05:34.100, 2003-354T20:05:34.100	PCKTS_RE_TX_TIME	03-354/20:05:53.8
1497	M1O	03-354/20:14:20.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-352T20:05:34.100, 2003-354T20:05:34.100	PCKTS_RE_TX_TIME	03-354/20:05:54.8
1498	M1O	03-354/20:14:20.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-354/20:05:54.8
1499	M1O	03-354/20:14:20.5	54	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1500	M1O	03-354/20:21:21.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-354/20:12:55.8
1501	M1O	03-354/20:21:21.5	54	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1502	M1O	03-354/20:21:22.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-354/20:12:56.8
1503	M1O	03-354/20:21:38.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-354/20:13:12.8
1504	M1O	03-354/20:21:38.5	54	D/L RF Warning: SC antenna change - expect signal level variation		
1505	M1O	03-354/20:21:39.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-354/20:13:13.8
1506	M1O	03-354/20:22:10.3	54	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1507	M1O	03-354/20:22:11.7		NOTE: ENTER HGA KEEP OUT ZONE		
1508	M1O	03-354/20:22:11.7	54	NOTE: Loss Of X-Band Signal		
1509	M1O	03-354/20:24:59.3		NOTE: Exit Solar Eclipse 8944		03-354/20:16:33.5
1510	M1O	03-354/20:30:04.9		NOTE: Enter Planetary Atmosphere 8944		03-354/20:21:39.1
1511	M1O	03-354/20:31:27.4		NOTE: Enter Earth Occultation 8944		03-354/20:23:01.6
1512	M1O	03-354/20:32:30.5		NOTE: North Pole Crossing 8944		03-354/20:24:04.7
1513	M1O	03-354/20:33:39.5		NOTE: Apoapsis 8944 -		03-354/20:25:13.7
1514	M1O	03-354/20:44:51.8		NOTE: EXIT HGA KEEP OUT ZONE		
1515	M1O	03-354/20:52:20.3		NOTE: Exit Earth Occultation 8944		03-354/20:43:54.5
1516	M1O	03-354/20:52:20.3	54	Acquisition Of X-Band Signal		
1517	M1O	03-354/20:52:20.3	54	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1518	M1O	03-354/20:53:43.9		NOTE: Exit Planetary Atmosphere 8944		03-354/20:45:18.0
1519	M1O	03-354/21:00:00.0	54	End Tracking		
1520	M1O	03-354/21:02:28.0		NOTE: Descending Node Crossing 8945		03-354/20:54:02.2
1521	M1O	03-354/21:15:00.0	54	End Post-Cal		
1522	M1O	03-354/21:31:51.4		NOTE: South Pole Crossing 8945		03-354/21:23:25.4
1523	M1O	03-354/21:32:53.8		NOTE: Periapsis 8945 ----------		03-354/21:24:27.8
1524	M1O	03-354/22:00:00.0	14	Begin Pre-Cal		
1525	M1O	03-354/22:00:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
1526	M1O	03-354/22:00:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
1527	M1O	03-354/22:00:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
1528	M1O	03-354/22:00:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1529	M1O	03-354/22:00:00.0	14	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
1530	M1O	03-354/22:00:00.0	14	Config: RCV: Parms:		
1531	M1O	03-354/22:00:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
1532	M1O	03-354/22:00:00.0	14	Config: TGC: BAND=X, SR=132720.000000		
1533	M1O	03-354/22:00:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
1534	M1O	03-354/22:00:56.3		NOTE: Enter Solar Eclipse 8945		03-354/21:52:30.3
1535	M1O	03-354/22:01:12.4		NOTE: Ascending Node Crossing 8945		03-354/21:52:46.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1536	M1O	03-354/22:20:48.1		NOTE: ENTER HGA KEEP OUT ZONE		
1537	M1O	03-354/22:23:35.9		NOTE: Exit Solar Eclipse 8945		03-354/22:15:09.8
1538	M1O	03-354/22:28:41.5		NOTE: Enter Planetary Atmosphere 8945		03-354/22:20:15.4
1539	M1O	03-354/22:30:04.2		NOTE: Enter Earth Occultation 8945		03-354/22:21:38.0
1540	M1O	03-354/22:31:07.3		NOTE: North Pole Crossing 8945		03-354/22:22:41.2
1541	M1O	03-354/22:32:55.3		NOTE: Apoapsis 8945 -		03-354/22:24:29.2
1542	M1O	03-354/22:43:28.1		NOTE: EXIT HGA KEEP OUT ZONE		
1543	M1O	03-354/22:50:55.5		NOTE: Exit Earth Occultation 8945		03-354/22:42:29.3
1544	M1O	03-354/22:52:19.1		NOTE: Exit Planetary Atmosphere 8945		03-354/22:43:52.9
1545	M1O	03-354/23:01:05.0		NOTE: Descending Node Crossing 8946		03-354/22:52:38.8
1546	M1O	03-354/23:14:35.9		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-354/23:06:09.6
1547	M1O	03-354/23:14:36.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-354/23:06:09.7
1548	M1O	03-354/23:14:37.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-354/23:06:10.7
1549	M1O	03-354/23:14:38.0		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-354/23:06:11.7
1550	M1O	03-354/23:14:39.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-354/23:06:12.7
1551	M1O	03-354/23:14:40.0		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-354/23:06:13.7
1552	M1O	03-354/23:14:50.0		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-354/23:06:23.7
1553	M1O	03-354/23:15:00.0	14	Begin Tracking		
1554	M1O	03-354/23:15:00.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1555	M1O	03-354/23:15:00.0		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-354/23:06:33.7
1556	M1O	03-354/23:15:00.9		NOTE: Changing to 70M downlink rate: 110600_BPS		03-354/23:06:34.6
1557	M1O	03-354/23:15:00.9		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	03-354/23:06:34.6
1558	M1O	03-354/23:15:00.9	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1559	M1O	03-354/23:20:00.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-354/23:11:33.7
1560	M1O	03-354/23:20:01.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-354/23:11:34.7
1561	M1O	03-354/23:20:01.0	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1562	M1O	03-354/23:20:02.0		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-354/23:11:35.7
1563	M1O	03-354/23:30:28.4		NOTE: South Pole Crossing 8946		03-354/23:22:02.1
1564	M1O	03-354/23:31:55.1		NOTE: Periapsis 8946 ----------		03-354/23:23:28.8
1565	M1O	03-354/23:59:30.6		NOTE: Enter Solar Eclipse 8946		03-354/23:51:04.2
1566	M1O	03-354/23:59:48.7		NOTE: Ascending Node Crossing 8946		03-354/23:51:22.3
1567	M1O	03-355/00:00:00.0		Light Time: OWLT = 08:26, RTLT = 16:52		
1568	M1O	03-355/00:18:23.4		SPAWN, Engine = 65535, Parameters = 3, 00:36:06.572, 1	dpt	03-355/00:09:57.0
1569	M1O	03-355/00:18:25.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-355/00:09:59.1
1570	M1O	03-355/00:18:25.5	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1571	M1O	03-355/00:18:26.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-355/00:10:00.1
1572	M1O	03-355/00:19:25.4		NOTE: ENTER HGA KEEP OUT ZONE		
1573	M1O	03-355/00:19:25.4	14	NOTE: Loss Of X-Band Signal		
1574	M1O	03-355/00:22:13.0		NOTE: Exit Solar Eclipse 8946		03-355/00:13:46.5
1575	M1O	03-355/00:27:16.1		NOTE: Enter Planetary Atmosphere 8946		03-355/00:18:49.6
1576	M1O	03-355/00:28:38.6		NOTE: Enter Earth Occultation 8946		03-355/00:20:12.1
1577	M1O	03-355/00:29:43.5		NOTE: North Pole Crossing 8946		03-355/00:21:17.1
1578	M1O	03-355/00:31:49.6		NOTE: Apoapsis 8946 -		03-355/00:23:23.1
1579	M1O	03-355/00:42:05.5		NOTE: EXIT HGA KEEP OUT ZONE		
1580	M1O	03-355/00:49:32.1		NOTE: Exit Earth Occultation 8946		03-355/00:41:05.5
1581	M1O	03-355/00:49:32.1	14	Acquisition Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1582	M1O	03-355/00:49:32.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1583	M1O	03-355/00:50:55.6		NOTE: Exit Planetary Atmosphere 8946		03-355/00:42:29.1
1584	M1O	03-355/00:54:32.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-355/00:46:05.6
1585	M1O	03-355/00:54:32.2	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1586	M1O	03-355/00:54:33.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-355/00:46:06.6
1587	M1O	03-355/00:59:41.5		NOTE: Descending Node Crossing 8947		03-355/00:51:14.9
1588	M1O	03-355/01:29:03.7		NOTE: South Pole Crossing 8947		03-355/01:20:37.1
1589	M1O	03-355/01:30:31.8		NOTE: Periapsis 8947 ----------		03-355/01:22:05.1
1590	M1O	03-355/01:58:02.5		NOTE: Enter Solar Eclipse 8947		03-355/01:49:35.8
1591	M1O	03-355/01:58:22.7		NOTE: Ascending Node Crossing 8947		03-355/01:49:56.0
1592	M1O	03-355/02:16:59.8		SPAWN, Engine = 65535, Parameters = 3, 00:36:06.099, 1	dpt	03-355/02:08:33.0
1593	M1O	03-355/02:17:01.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-355/02:08:35.1
1594	M1O	03-355/02:17:01.9	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1595	M1O	03-355/02:17:02.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-355/02:08:36.1
1596	M1O	03-355/02:18:01.8		NOTE: ENTER HGA KEEP OUT ZONE		
1597	M1O	03-355/02:18:01.8	14	NOTE: Loss Of X-Band Signal		
1598	M1O	03-355/02:20:48.9		NOTE: Exit Solar Eclipse 8947		03-355/02:12:22.1
1599	M1O	03-355/02:25:46.7		NOTE: Enter Planetary Atmosphere 8947		03-355/02:17:19.9
1600	M1O	03-355/02:27:09.0		NOTE: Enter Earth Occultation 8947		03-355/02:18:42.1
1601	M1O	03-355/02:28:17.4		NOTE: North Pole Crossing 8947		03-355/02:19:50.6
1602	M1O	03-355/02:30:09.4		NOTE: Apoapsis 8947 -		03-355/02:21:42.5
1603	M1O	03-355/02:40:41.8		NOTE: EXIT HGA KEEP OUT ZONE		
1604	M1O	03-355/02:48:08.0		NOTE: Exit Earth Occultation 8947		03-355/02:39:41.0
1605	M1O	03-355/02:48:08.0	14	Acquisition Of X-Band Signal		
1606	M1O	03-355/02:48:08.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1607	M1O	03-355/02:49:31.3		NOTE: Exit Planetary Atmosphere 8947		03-355/02:41:04.3
1608	M1O	03-355/02:53:08.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-355/02:44:41.1
1609	M1O	03-355/02:53:08.1	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1610	M1O	03-355/02:53:09.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-355/02:44:42.1
1611	M1O	03-355/02:58:15.0		NOTE: Descending Node Crossing 8948		03-355/02:49:48.0
1612	M1O	03-355/03:27:36.1		NOTE: South Pole Crossing 8948		03-355/03:19:09.1
1613	M1O	03-355/03:28:42.7		NOTE: Periapsis 8948 ----------		03-355/03:20:15.7
1614	M1O	03-355/03:56:34.3		NOTE: Enter Solar Eclipse 8948		03-355/03:48:07.2
1615	M1O	03-355/03:56:54.6		NOTE: Ascending Node Crossing 8948		03-355/03:48:27.5
1616	M1O	03-355/04:15:33.1		SPAWN, Engine = 65535, Parameters = 3, 00:36:04.727, 1	dpt	03-355/04:07:06.0
1617	M1O	03-355/04:15:35.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-355/04:07:08.1
1618	M1O	03-355/04:15:35.2	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1619	M1O	03-355/04:15:36.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-355/04:07:09.1
1620	M1O	03-355/04:16:35.1		NOTE: ENTER HGA KEEP OUT ZONE		
1621	M1O	03-355/04:16:35.1	14	NOTE: Loss Of X-Band Signal		
1622	M1O	03-355/04:19:22.1		NOTE: Exit Solar Eclipse 8948		03-355/04:10:55.0
1623	M1O	03-355/04:24:15.2		NOTE: Enter Planetary Atmosphere 8948		03-355/04:15:48.0
1624	M1O	03-355/04:25:37.2		NOTE: Enter Earth Occultation 8948		03-355/04:17:10.0
1625	M1O	03-355/04:26:48.7		NOTE: North Pole Crossing 8948		03-355/04:18:21.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1626	M1O	03-355/04:28:23.7		NOTE: Apoapsis 8948 -		03-355/04:19:56.5
1627	M1O	03-355/04:39:15.2		NOTE: EXIT HGA KEEP OUT ZONE		
1628	M1O	03-355/04:46:39.9		NOTE: Exit Earth Occultation 8948		03-355/04:38:12.7
1629	M1O	03-355/04:46:39.9	14	Acquisition Of X-Band Signal		
1630	M1O	03-355/04:46:39.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1631	M1O	03-355/04:48:03.0		NOTE: Exit Planetary Atmosphere 8948		03-355/04:39:35.7
1632	M1O	03-355/04:51:40.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-355/04:43:12.8
1633	M1O	03-355/04:51:40.1	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1634	M1O	03-355/04:51:41.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-355/04:43:13.8
1635	M1O	03-355/04:56:45.2		NOTE: Descending Node Crossing 8949		03-355/04:48:18.0
1636	M1O	03-355/05:00:00.0	43	Begin Pre-Cal		
1637	M1O	03-355/05:00:00.0	43	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
1638	M1O	03-355/05:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
1639	M1O	03-355/05:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
1640	M1O	03-355/05:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1641	M1O	03-355/05:00:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
1642	M1O	03-355/05:00:00.0	43	Config: RCV: Parms:		
1643	M1O	03-355/05:00:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
1644	M1O	03-355/05:00:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
1645	M1O	03-355/05:00:00.0	43	Config: TXL		
1646	M1O	03-355/05:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
1647	M1O	03-355/05:00:00.0	43	Config: CMD		
1648	M1O	03-355/05:00:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
1649	M1O	03-355/05:09:46.3		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	03-355/05:01:19.0
1650	M1O	03-355/05:09:46.4		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-355/05:01:19.1
1651	M1O	03-355/05:09:47.4		Forces a desaturation of the reaction wheels.	RW_DESAT	03-355/05:01:20.1
1652	M1O	03-355/05:13:09.3		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-355/05:04:42.0
1653	M1O	03-355/05:13:25.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-353T05:04:42.100, 2003-355T05:04:42.100	PCKTS_RE_TX_TIME	03-355/05:04:57.8
1654	M1O	03-355/05:13:26.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-353T05:04:42.100, 2003-355T05:04:42.100	PCKTS_RE_TX_TIME	03-355/05:04:58.8
1655	M1O	03-355/05:13:27.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-353T05:04:42.100, 2003-355T05:04:42.100	PCKTS_RE_TX_TIME	03-355/05:04:59.8
1656	M1O	03-355/05:13:28.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-353T05:04:42.100, 2003-355T05:04:42.100	PCKTS_RE_TX_TIME	03-355/05:05:00.8
1657	M1O	03-355/05:13:29.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-353T05:04:42.100, 2003-355T05:04:42.100	PCKTS_RE_TX_TIME	03-355/05:05:01.8
1658	M1O	03-355/05:13:30.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-353T05:04:42.100, 2003-355T05:04:42.100	PCKTS_RE_TX_TIME	03-355/05:05:02.8
1659	M1O	03-355/05:13:30.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-355/05:05:02.8
1660	M1O	03-355/05:13:30.1	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1661	M1O	03-355/05:20:31.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-355/05:12:03.8
1662	M1O	03-355/05:20:31.1	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1663	M1O	03-355/05:20:32.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-355/05:12:04.8
1664	M1O	03-355/05:20:48.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-355/05:12:20.8
1665	M1O	03-355/05:20:48.1	14	D/L RF Warning: SC antenna change - expect signal level variation		
1666	M1O	03-355/05:20:49.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-355/05:12:21.8
1667	M1O	03-355/05:21:17.4		CALL, Engine = , Parameters = FALSE	park_hga	03-355/05:12:50.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1668	M1O	03-355/05:21:17.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-355/05:12:50.1
1669	M1O	03-355/05:21:18.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-355/05:12:51.1
1670	M1O	03-355/05:21:19.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-355/05:12:52.1
1671	M1O	03-355/05:21:19.4		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-355/05:12:52.1
1672	M1O	03-355/05:21:19.4		NOTE: START HGA PARK		
1673	M1O	03-355/05:21:19.4	14	NOTE: Loss Of X-Band Signal		
1674	M1O	03-355/05:21:20.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-355/05:12:53.1
1675	M1O	03-355/05:21:21.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-355/05:12:54.1
1676	M1O	03-355/05:25:51.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	03-355/05:17:24.1
1677	M1O	03-355/05:26:06.9		NOTE: South Pole Crossing 8949		03-355/05:17:39.5
1678	M1O	03-355/05:27:00.4		NOTE: Periapsis 8949 ----------		03-355/05:18:33.0
1679	M1O	03-355/05:29:21.4		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-355/05:20:54.1
1680	M1O	03-355/05:29:21.4		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-355/05:20:54.1
1681	M1O	03-355/05:55:07.2		NOTE: Enter Solar Eclipse 8949		03-355/05:46:39.7
1682	M1O	03-355/05:55:26.5		NOTE: Ascending Node Crossing 8949		03-355/05:46:59.0
1683	M1O	03-355/05:59:21.4		GV: GV_DESAT_ACTIVE = 1		03-355/05:50:54.0
1684	M1O	03-355/05:59:22.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	03-355/05:50:55.0
1685	M1O	03-355/05:59:22.4		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-355/05:50:55.0
1686	M1O	03-355/06:09:21.5		GV: GV_DESAT_ACTIVE = 0		03-355/06:00:54.0
1687	M1O	03-355/06:09:22.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	03-355/06:00:55.0
1688	M1O	03-355/06:09:23.5		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-355/06:00:56.0
1689	M1O	03-355/06:09:24.5		CALL, Engine = , Parameters =	unpark_hga	03-355/06:00:57.0
1690	M1O	03-355/06:09:24.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-355/06:00:57.0
1691	M1O	03-355/06:09:25.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-355/06:00:58.0
1692	M1O	03-355/06:13:55.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	03-355/06:05:28.0
1693	M1O	03-355/06:13:56.5		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	03-355/06:05:29.0
1694	M1O	03-355/06:15:00.0	43	Begin Tracking		
1695	M1O	03-355/06:15:05.5		NOTE: ENTER HGA KEEP OUT ZONE		
1696	M1O	03-355/06:17:51.0		NOTE: Exit Solar Eclipse 8949		03-355/06:09:23.4
1697	M1O	03-355/06:17:56.5		NOTE: EXIT HGA PARK		
1698	M1O	03-355/06:22:50.2		NOTE: Enter Planetary Atmosphere 8949		03-355/06:14:22.7
1699	M1O	03-355/06:24:12.7		NOTE: Enter Earth Occultation 8949		03-355/06:15:45.1
1700	M1O	03-355/06:25:20.8		NOTE: North Pole Crossing 8949		03-355/06:16:53.3
1701	M1O	03-355/06:27:01.4		NOTE: Apoapsis 8949 -		03-355/06:18:33.8
1702	M1O	03-355/06:28:46.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1703	M1O	03-355/06:33:46.0	43	Range Modulation On: SUP=3.0dB		
1704	M1O	03-355/06:34:46.0	43	Begin Ranging Acquisition		
1705	M1O	03-355/06:37:45.5		NOTE: EXIT HGA KEEP OUT ZONE		
1706	M1O	03-355/06:44:44.1		SPAWN, Engine = 65535, Parameters = 00:05:31.820	cstr	03-355/06:36:16.5
1707	M1O	03-355/06:44:44.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-355/06:36:16.6
1708	M1O	03-355/06:44:45.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-355/06:36:17.6
1709	M1O	03-355/06:44:46.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-355/06:36:18.6
1710	M1O	03-355/06:44:47.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-355/06:36:19.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1711	M1O	03-355/06:44:48.2		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-355/06:36:20.6
1712	M1O	03-355/06:44:58.2		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-355/06:36:30.6
1713	M1O	03-355/06:45:08.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-355/06:36:40.6
1714	M1O	03-355/06:45:09.1		NOTE: Exit Earth Occultation 8949		03-355/06:36:41.5
1715	M1O	03-355/06:45:09.1	14	Acquisition Of X-Band Signal		
1716	M1O	03-355/06:45:09.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1717	M1O	03-355/06:45:09.1	43	Acquisition Of X-Band Signal		
1718	M1O	03-355/06:45:09.1	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1719	M1O	03-355/06:45:41.1	14	Acquire D/L: X/08, 3-Way/43, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1720	M1O	03-355/06:45:41.1	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1721	M1O	03-355/06:46:32.6		NOTE: Exit Planetary Atmosphere 8949		03-355/06:38:05.0
1722	M1O	03-355/06:50:40.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-355/06:42:12.5
1723	M1O	03-355/06:50:41.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-355/06:42:13.5
1724	M1O	03-355/06:50:41.1	14	D/L Change: X/08, 3-Way/43, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1725	M1O	03-355/06:50:41.1	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1726	M1O	03-355/06:50:42.1		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-355/06:42:14.5
1727	M1O	03-355/06:55:17.6		NOTE: Descending Node Crossing 8950		03-355/06:46:49.9
1728	M1O	03-355/07:08:27.6		SPAWN, Engine = 65535, Parameters =	scdiag	03-355/07:00:00.0
1729	M1O	03-355/07:08:28.7		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	03-355/07:00:01.1
1730	M1O	03-355/07:08:29.7		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	03-355/07:00:02.1
1731	M1O	03-355/07:09:30.6		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-355/07:01:03.0
1732	M1O	03-355/07:09:30.8		NOTE: Start Block fsw_diag		03-355/07:01:03.2
1733	M1O	03-355/07:09:31.8		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	03-355/07:01:04.2
1734	M1O	03-355/07:09:32.8		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	03-355/07:01:05.2
1735	M1O	03-355/07:09:43.8		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	03-355/07:01:16.2
1736	M1O	03-355/07:10:13.8		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	03-355/07:01:46.2
1737	M1O	03-355/07:10:33.8		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	03-355/07:02:06.2
1738	M1O	03-355/07:10:43.8		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	03-355/07:02:16.2
1739	M1O	03-355/07:11:03.8		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	03-355/07:02:36.2
1740	M1O	03-355/07:11:13.8		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	03-355/07:02:46.2
1741	M1O	03-355/07:11:18.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	03-355/07:02:51.2
1742	M1O	03-355/07:11:23.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	03-355/07:02:56.2
1743	M1O	03-355/07:11:28.8		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	03-355/07:03:01.2
1744	M1O	03-355/07:11:33.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	03-355/07:03:06.2
1745	M1O	03-355/07:11:38.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	03-355/07:03:11.2
1746	M1O	03-355/07:12:18.8		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	03-355/07:03:51.2
1747	M1O	03-355/07:12:23.8		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	03-355/07:03:56.2
1748	M1O	03-355/07:12:28.8		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	03-355/07:04:01.2
1749	M1O	03-355/07:12:33.8		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	03-355/07:04:06.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1750	M1O	03-355/07:12:38.8		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	03-355/07:04:11.2
1751	M1O	03-355/07:12:39.8		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	03-355/07:04:12.2
1752	M1O	03-355/07:12:40.8		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	03-355/07:04:13.2
1753	M1O	03-355/07:12:41.8		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-355/07:04:14.2
1754	M1O	03-355/07:12:52.8		NOTE: End Block fsw_diag.mod		03-355/07:04:25.2
1755	M1O	03-355/07:13:02.0	14	NOTE: Below Uplink Interlock Limit		
1756	M1O	03-355/07:20:00.0	14	End Tracking		
1757	M1O	03-355/07:24:40.0		NOTE: South Pole Crossing 8950		03-355/07:16:12.3
1758	M1O	03-355/07:25:36.1		NOTE: Periapsis 8950 ----------		03-355/07:17:08.4
1759	M1O	03-355/07:35:00.0	14	End Post-Cal		
1760	M1O	03-355/07:41:41.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
1761	M1O	03-355/07:51:41.0	43	Range Modulation Off		
1762	M1O	03-355/07:53:41.7		NOTE: Enter Solar Eclipse 8950		03-355/07:45:13.8
1763	M1O	03-355/07:54:00.5		NOTE: Ascending Node Crossing 8950		03-355/07:45:32.6
1764	M1O	03-355/07:56:41.0	43	X-Band Transmitter Off		
1765	M1O	03-355/08:12:34.2		SPAWN, Engine = 65535, Parameters = 3, 00:36:36, 1	dpt	03-355/08:04:06.4
1766	M1O	03-355/08:12:36.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-355/08:04:08.5
1767	M1O	03-355/08:12:36.3	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1768	M1O	03-355/08:12:37.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-355/08:04:09.5
1769	M1O	03-355/08:13:36.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1770	M1O	03-355/08:13:37.8		NOTE: ENTER HGA KEEP OUT ZONE		
1771	M1O	03-355/08:13:37.8	43	NOTE: Loss Of X-Band Signal		
1772	M1O	03-355/08:16:20.4		NOTE: Exit Solar Eclipse 8950		03-355/08:07:52.5
1773	M1O	03-355/08:21:30.8		NOTE: Enter Planetary Atmosphere 8950		03-355/08:13:02.9
1774	M1O	03-355/08:22:53.8		NOTE: Enter Earth Occultation 8950		03-355/08:14:25.9
1775	M1O	03-355/08:23:56.1		NOTE: North Pole Crossing 8950		03-355/08:15:28.2
1776	M1O	03-355/08:25:37.9		NOTE: Apoapsis 8950 -		03-355/08:17:09.9
1777	M1O	03-355/08:27:17.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1778	M1O	03-355/08:32:17.0	43	Range Modulation On: SUP=3.0dB		
1779	M1O	03-355/08:33:17.0	43	Begin Ranging Acquisition		
1780	M1O	03-355/08:36:17.9		NOTE: EXIT HGA KEEP OUT ZONE		
1781	M1O	03-355/08:43:41.2		NOTE: Exit Earth Occultation 8950		03-355/08:35:13.3
1782	M1O	03-355/08:43:41.2	43	Acquisition Of X-Band Signal		
1783	M1O	03-355/08:43:41.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1784	M1O	03-355/08:44:12.8	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1785	M1O	03-355/08:45:05.3		NOTE: Exit Planetary Atmosphere 8950		03-355/08:36:37.3
1786	M1O	03-355/08:49:12.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-355/08:40:44.5
1787	M1O	03-355/08:49:12.4	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1788	M1O	03-355/08:49:13.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-355/08:40:45.5
1789	M1O	03-355/08:53:54.3		NOTE: Descending Node Crossing 8951		03-355/08:45:26.3
1790	M1O	03-355/09:23:16.7		NOTE: South Pole Crossing 8951		03-355/09:14:48.6
1791	M1O	03-355/09:24:18.7		NOTE: Periapsis 8951 ----------		03-355/09:15:50.6
1792	M1O	03-355/09:28:04.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
1793	M1O	03-355/09:38:04.0	43	Range Modulation Off		
1794	M1O	03-355/09:43:03.6	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
1795	M1O	03-355/09:43:04.0	43	X-Band Transmitter Off		
1796	M1O	03-355/09:51:49.1		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-355/09:43:21.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1797	M1O	03-355/09:52:04.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-353T09:43:21.100, 2003-355T09:43:21.100	PCKTS_RE_TX_TIME	03-355/09:43:36.8
1798	M1O	03-355/09:52:05.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-353T09:43:21.100, 2003-355T09:43:21.100	PCKTS_RE_TX_TIME	03-355/09:43:37.8
1799	M1O	03-355/09:52:06.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-353T09:43:21.100, 2003-355T09:43:21.100	PCKTS_RE_TX_TIME	03-355/09:43:38.8
1800	M1O	03-355/09:52:07.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-353T09:43:21.100, 2003-355T09:43:21.100	PCKTS_RE_TX_TIME	03-355/09:43:39.8
1801	M1O	03-355/09:52:08.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-353T09:43:21.100, 2003-355T09:43:21.100	PCKTS_RE_TX_TIME	03-355/09:43:40.8
1802	M1O	03-355/09:52:09.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-353T09:43:21.100, 2003-355T09:43:21.100	PCKTS_RE_TX_TIME	03-355/09:43:41.8
1803	M1O	03-355/09:52:09.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-355/09:43:41.8
1804	M1O	03-355/09:52:09.9	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1805	M1O	03-355/09:52:17.3		NOTE: Enter Solar Eclipse 8951		03-355/09:43:49.1
1806	M1O	03-355/09:52:36.7		NOTE: Ascending Node Crossing 8951		03-355/09:44:08.5
1807	M1O	03-355/09:59:10.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-355/09:50:42.8
1808	M1O	03-355/09:59:10.9	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1809	M1O	03-355/09:59:11.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-355/09:50:43.8
1810	M1O	03-355/09:59:27.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-355/09:50:59.8
1811	M1O	03-355/09:59:27.9	43	D/L RF Warning: SC antenna change - expect signal level variation		
1812	M1O	03-355/09:59:28.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-355/09:51:00.8
1813	M1O	03-355/10:00:00.0	43	End Tracking		
1814	M1O	03-355/10:12:14.2		NOTE: ENTER HGA KEEP OUT ZONE		
1815	M1O	03-355/10:14:54.4		NOTE: Exit Solar Eclipse 8951		03-355/10:06:26.1
1816	M1O	03-355/10:15:00.0	43	End Post-Cal		
1817	M1O	03-355/10:20:09.4		NOTE: Enter Planetary Atmosphere 8951		03-355/10:11:41.1
1818	M1O	03-355/10:21:32.5		NOTE: Enter Earth Occultation 8951		03-355/10:13:04.2
1819	M1O	03-355/10:22:32.8		NOTE: North Pole Crossing 8951		03-355/10:14:04.6
1820	M1O	03-355/10:24:06.2		NOTE: Apoapsis 8951 -		03-355/10:15:38.0
1821	M1O	03-355/10:34:54.3		NOTE: EXIT HGA KEEP OUT ZONE		
1822	M1O	03-355/10:42:17.2		NOTE: Exit Earth Occultation 8951		03-355/10:33:48.8
1823	M1O	03-355/10:43:41.4		NOTE: Exit Planetary Atmosphere 8951		03-355/10:35:13.0
1824	M1O	03-355/10:52:31.6		NOTE: Descending Node Crossing 8952		03-355/10:44:03.2
1825	M1O	03-355/11:21:53.9		NOTE: South Pole Crossing 8952		03-355/11:13:25.4
1826	M1O	03-355/11:22:52.1		NOTE: Periapsis 8952 ----------		03-355/11:14:23.7
1827	M1O	03-355/11:50:54.0		NOTE: Enter Solar Eclipse 8952		03-355/11:42:25.4
1828	M1O	03-355/11:51:13.7		NOTE: Ascending Node Crossing 8952		03-355/11:42:45.2
1829	M1O	03-355/12:10:51.5		NOTE: ENTER HGA KEEP OUT ZONE		
1830	M1O	03-355/12:13:32.0		NOTE: Exit Solar Eclipse 8952		03-355/12:05:03.4
1831	M1O	03-355/12:18:43.4		NOTE: Enter Planetary Atmosphere 8952		03-355/12:10:14.8
1832	M1O	03-355/12:20:06.3		NOTE: Enter Earth Occultation 8952		03-355/12:11:37.7
1833	M1O	03-355/12:21:09.3		NOTE: North Pole Crossing 8952		03-355/12:12:40.7
1834	M1O	03-355/12:22:26.8		NOTE: Apoapsis 8952 -		03-355/12:13:58.2
1835	M1O	03-355/12:33:31.6		NOTE: EXIT HGA KEEP OUT ZONE		
1836	M1O	03-355/12:40:54.7		NOTE: Exit Earth Occultation 8952		03-355/12:32:26.1
1837	M1O	03-355/12:42:18.7		NOTE: Exit Planetary Atmosphere 8952		03-355/12:33:50.0
1838	M1O	03-355/12:51:07.2		NOTE: Descending Node Crossing 8953		03-355/12:42:38.5
1839	M1O	03-355/13:20:29.6		NOTE: South Pole Crossing 8953		03-355/13:12:00.8
1840	M1O	03-355/13:21:29.6		NOTE: Periapsis 8953 ----------		03-355/13:13:00.8
1841	M1O	03-355/13:49:29.0		NOTE: Enter Solar Eclipse 8953		03-355/13:41:00.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1842	M1O	03-355/13:49:49.4		NOTE: Ascending Node Crossing 8953		03-355/13:41:20.5
1843	M1O	03-355/14:09:26.9		NOTE: ENTER HGA KEEP OUT ZONE		
1844	M1O	03-355/14:12:10.5		NOTE: Exit Solar Eclipse 8953		03-355/14:03:41.5
1845	M1O	03-355/14:17:13.0		NOTE: Enter Planetary Atmosphere 8953		03-355/14:08:44.0
1846	M1O	03-355/14:18:35.5		NOTE: Enter Earth Occultation 8953		03-355/14:10:06.5
1847	M1O	03-355/14:19:43.8		NOTE: North Pole Crossing 8953		03-355/14:11:14.8
1848	M1O	03-355/14:21:02.9		NOTE: Apoapsis 8953 -		03-355/14:12:33.9
1849	M1O	03-355/14:32:07.0		NOTE: EXIT HGA KEEP OUT ZONE		
1850	M1O	03-355/14:39:31.1		NOTE: Exit Earth Occultation 8953		03-355/14:31:02.0
1851	M1O	03-355/14:40:54.5		NOTE: Exit Planetary Atmosphere 8953		03-355/14:32:25.5
1852	M1O	03-355/14:49:40.4		NOTE: Descending Node Crossing 8954		03-355/14:41:11.4
1853	M1O	03-355/15:19:02.4		NOTE: South Pole Crossing 8954		03-355/15:10:33.3
1854	M1O	03-355/15:20:05.1		NOTE: Periapsis 8954 ----------		03-355/15:11:35.9
1855	M1O	03-355/15:48:00.6		NOTE: Enter Solar Eclipse 8954		03-355/15:39:31.3
1856	M1O	03-355/15:48:21.9		NOTE: Ascending Node Crossing 8954		03-355/15:39:52.7
1857	M1O	03-355/16:08:00.3		NOTE: ENTER HGA KEEP OUT ZONE		
1858	M1O	03-355/16:10:44.5		NOTE: Exit Solar Eclipse 8954		03-355/16:02:15.2
1859	M1O	03-355/16:15:42.2		NOTE: Enter Planetary Atmosphere 8954		03-355/16:07:12.9
1860	M1O	03-355/16:17:04.5		NOTE: Enter Earth Occultation 8954		03-355/16:08:35.2
1861	M1O	03-355/16:18:15.8		NOTE: North Pole Crossing 8954		03-355/16:09:46.5
1862	M1O	03-355/16:19:49.5		NOTE: Apoapsis 8954 -		03-355/16:11:20.1
1863	M1O	03-355/16:30:40.3		NOTE: EXIT HGA KEEP OUT ZONE		
1864	M1O	03-355/16:38:03.7		NOTE: Exit Earth Occultation 8954		03-355/16:29:34.3
1865	M1O	03-355/16:39:27.0		NOTE: Exit Planetary Atmosphere 8954		03-355/16:30:57.6
1866	M1O	03-355/16:48:12.1		NOTE: Descending Node Crossing 8955		03-355/16:39:42.7
1867	M1O	03-355/17:17:33.2		NOTE: South Pole Crossing 8955		03-355/17:09:03.7
1868	M1O	03-355/17:18:25.0		NOTE: Periapsis 8955 ----------		03-355/17:09:55.4
1869	M1O	03-355/17:46:31.4		NOTE: Enter Solar Eclipse 8955		03-355/17:38:01.8
1870	M1O	03-355/17:46:52.2		NOTE: Ascending Node Crossing 8955		03-355/17:38:22.6
1871	M1O	03-355/18:06:31.6		NOTE: ENTER HGA KEEP OUT ZONE		
1872	M1O	03-355/18:09:11.8		NOTE: Exit Solar Eclipse 8955		03-355/18:00:42.1
1873	M1O	03-355/18:14:16.9		NOTE: Enter Planetary Atmosphere 8955		03-355/18:05:47.2
1874	M1O	03-355/18:15:39.5		NOTE: Enter Earth Occultation 8955		03-355/18:07:09.8
1875	M1O	03-355/18:16:47.2		NOTE: North Pole Crossing 8955		03-355/18:08:17.5
1876	M1O	03-355/18:18:02.0		NOTE: Apoapsis 8955 -		03-355/18:09:32.3
1877	M1O	03-355/18:29:11.7		NOTE: EXIT HGA KEEP OUT ZONE		
1878	M1O	03-355/18:30:00.0	54	Begin Pre-Cal		
1879	M1O	03-355/18:30:00.0	54	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
1880	M1O	03-355/18:30:00.0	54	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
1881	M1O	03-355/18:30:00.0	54	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
1882	M1O	03-355/18:30:00.0	54	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1883	M1O	03-355/18:30:00.0	54	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
1884	M1O	03-355/18:30:00.0	54	Config: RCV: Parms:		
1885	M1O	03-355/18:30:00.0	54	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
1886	M1O	03-355/18:30:00.0	54	Config: TGC: BAND=X, SR=221200.000000		
1887	M1O	03-355/18:30:00.0	54	Config: TXL		
1888	M1O	03-355/18:30:00.0	54	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
1889	M1O	03-355/18:30:00.0	54	Config: CMD		
1890	M1O	03-355/18:30:00.0	54	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
1891	M1O	03-355/18:36:33.4		NOTE: Exit Earth Occultation 8955		03-355/18:28:03.6
1892	M1O	03-355/18:37:57.0		NOTE: Exit Planetary Atmosphere 8955		03-355/18:29:27.3
1893	M1O	03-355/18:46:44.4		NOTE: Descending Node Crossing 8956		03-355/18:38:14.6
1894	M1O	03-355/19:14:35.1		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-355/19:06:05.3
1895	M1O	03-355/19:14:35.2		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	03-355/19:06:05.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
1896	M1O	03-355/19:14:36.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-355/19:06:06.4
1897	M1O	03-355/19:14:37.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-355/19:06:07.4
1898	M1O	03-355/19:14:38.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-355/19:06:08.4
1899	M1O	03-355/19:14:39.2		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-355/19:06:09.4
1900	M1O	03-355/19:14:49.2		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-355/19:06:19.4
1901	M1O	03-355/19:14:59.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-355/19:06:29.4
1902	M1O	03-355/19:15:00.0	54	Begin Tracking		
1903	M1O	03-355/19:15:00.0	54	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1904	M1O	03-355/19:15:00.2		NOTE: Changing to 34M (BWG) downlink rate: 66360_BPS		03-355/19:06:30.3
1905	M1O	03-355/19:15:00.2		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 66360_BPS	DOWNLINK_RATE	03-355/19:06:30.3
1906	M1O	03-355/19:15:00.2	54	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1907	M1O	03-355/19:16:00.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1908	M1O	03-355/19:16:05.7		NOTE: South Pole Crossing 8956		03-355/19:07:35.9
1909	M1O	03-355/19:16:36.2		NOTE: Periapsis 8956 ----------		03-355/19:08:06.3
1910	M1O	03-355/19:19:59.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-355/19:11:29.4
1911	M1O	03-355/19:20:00.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-355/19:11:30.4
1912	M1O	03-355/19:20:00.3	54	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1913	M1O	03-355/19:20:01.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-355/19:11:31.4
1914	M1O	03-355/19:21:00.0	54	Range Modulation On: SUP=3.0dB		
1915	M1O	03-355/19:22:00.0	54	Begin Ranging Acquisition		
1916	M1O	03-355/19:31:57.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-355/19:23:27.5
1917	M1O	03-355/19:31:59.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-355/19:23:29.6
1918	M1O	03-355/19:31:59.5	54	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1919	M1O	03-355/19:32:00.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-355/19:23:30.6
1920	M1O	03-355/19:32:59.7	54	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1921	M1O	03-355/19:33:03.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
1922	M1O	03-355/19:37:59.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-355/19:29:29.6
1923	M1O	03-355/19:37:59.5	54	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1924	M1O	03-355/19:38:00.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-355/19:29:30.6
1925	M1O	03-355/19:43:03.0	54	Range Modulation Off		
1926	M1O	03-355/19:45:07.0		NOTE: Enter Solar Eclipse 8956		03-355/19:36:37.1
1927	M1O	03-355/19:45:25.7		NOTE: Ascending Node Crossing 8956		03-355/19:36:55.8
1928	M1O	03-355/19:48:03.0	54	X-Band Transmitter Off		
1929	M1O	03-355/19:56:51.9		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-355/19:48:22.0
1930	M1O	03-355/19:57:07.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-353T19:48:22.100, 2003-355T19:48:22.100	PCKTS_RE_TX_TIME	03-355/19:48:37.8
1931	M1O	03-355/19:57:08.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-353T19:48:22.100, 2003-355T19:48:22.100	PCKTS_RE_TX_TIME	03-355/19:48:38.8
1932	M1O	03-355/19:57:09.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-353T19:48:22.100, 2003-355T19:48:22.100	PCKTS_RE_TX_TIME	03-355/19:48:39.8
1933	M1O	03-355/19:57:10.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-353T19:48:22.100, 2003-355T19:48:22.100	PCKTS_RE_TX_TIME	03-355/19:48:40.8
1934	M1O	03-355/19:57:11.7		Queues in the retransmit buffer, by time range, designated packet from the specified	PCKTS_RE_TX_TIME	03-355/19:48:41.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 3, 2003-353T19:48:22.100, 2003-355T19:48:22.100		
1935	M1O	03-355/19:57:12.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-353T19:48:22.100, 2003-355T19:48:22.100	PCKTS_RE_TX_TIME	03-355/19:48:42.8
1936	M1O	03-355/19:57:12.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-355/19:48:42.8
1937	M1O	03-355/19:57:12.7	54	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1938	M1O	03-355/20:04:13.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-355/19:55:43.8
1939	M1O	03-355/20:04:13.8	54	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1940	M1O	03-355/20:04:14.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-355/19:55:44.8
1941	M1O	03-355/20:04:30.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-355/19:56:00.8
1942	M1O	03-355/20:04:30.8	54	D/L RF Warning: SC antenna change - expect signal level variation		
1943	M1O	03-355/20:04:31.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-355/19:56:01.8
1944	M1O	03-355/20:05:02.9	54	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1945	M1O	03-355/20:05:04.0		NOTE: ENTER HGA KEEP OUT ZONE		
1946	M1O	03-355/20:05:04.0	54	NOTE: Loss Of X-Band Signal		
1947	M1O	03-355/20:07:40.7		NOTE: Exit Solar Eclipse 8956		03-355/19:59:10.7
1948	M1O	03-355/20:12:56.0		NOTE: Enter Planetary Atmosphere 8956		03-355/20:04:26.0
1949	M1O	03-355/20:14:19.1		NOTE: Enter Earth Occultation 8956		03-355/20:05:49.0
1950	M1O	03-355/20:15:21.6		NOTE: North Pole Crossing 8956		03-355/20:06:51.5
1951	M1O	03-355/20:16:20.1		NOTE: Apoapsis 8956 -		03-355/20:07:50.1
1952	M1O	03-355/20:27:44.0		NOTE: EXIT HGA KEEP OUT ZONE		
1953	M1O	03-355/20:30:00.0	54	End Tracking		
1954	M1O	03-355/20:35:04.7		NOTE: Exit Earth Occultation 8956		03-355/20:26:34.6
1955	M1O	03-355/20:36:28.9		NOTE: Exit Planetary Atmosphere 8956		03-355/20:27:58.8
1956	M1O	03-355/20:45:00.0	54	End Post-Cal		
1957	M1O	03-355/20:45:19.3		NOTE: Descending Node Crossing 8957		03-355/20:36:49.1
1958	M1O	03-355/21:14:42.0		NOTE: South Pole Crossing 8957		03-355/21:06:11.8
1959	M1O	03-355/21:15:29.9		NOTE: Periapsis 8957 ----------		03-355/21:06:59.7
1960	M1O	03-355/21:43:44.1		NOTE: Enter Solar Eclipse 8957		03-355/21:35:13.7
1961	M1O	03-355/21:44:02.9		NOTE: Ascending Node Crossing 8957		03-355/21:35:32.6
1962	M1O	03-355/22:00:00.0	14	Begin Pre-Cal		
1963	M1O	03-355/22:00:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
1964	M1O	03-355/22:00:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
1965	M1O	03-355/22:00:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
1966	M1O	03-355/22:00:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1967	M1O	03-355/22:00:00.0	14	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
1968	M1O	03-355/22:00:00.0	14	Config: RCV: Parms:		
1969	M1O	03-355/22:00:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
1970	M1O	03-355/22:00:00.0	14	Config: TGC: BAND=X, SR=132720.000000		
1971	M1O	03-355/22:00:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
1972	M1O	03-355/22:03:39.3		NOTE: ENTER HGA KEEP OUT ZONE		
1973	M1O	03-355/22:06:16.1		NOTE: Exit Solar Eclipse 8957		03-355/21:57:45.7
1974	M1O	03-355/22:11:33.4		NOTE: Enter Planetary Atmosphere 8957		03-355/22:03:03.1
1975	M1O	03-355/22:12:56.8		NOTE: Enter Earth Occultation 8957		03-355/22:04:26.4
1976	M1O	03-355/22:13:58.2		NOTE: North Pole Crossing 8957		03-355/22:05:27.8
1977	M1O	03-355/22:15:26.8		NOTE: Apoapsis 8957 -		03-355/22:06:56.4
1978	M1O	03-355/22:26:19.4		NOTE: EXIT HGA KEEP OUT ZONE		
1979	M1O	03-355/22:33:39.1		NOTE: Exit Earth Occultation 8957		03-355/22:25:08.6
1980	M1O	03-355/22:35:03.4		NOTE: Exit Planetary Atmosphere 8957		03-355/22:26:32.9
1981	M1O	03-355/22:43:55.9		NOTE: Descending Node Crossing 8958		03-355/22:35:25.4
1982	M1O	03-355/23:13:19.4		NOTE: South Pole Crossing 8958		03-355/23:04:48.8
1983	M1O	03-355/23:14:36.8		NOTE: Periapsis 8958 ----------		03-355/23:06:06.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1984	M1O	03-355/23:29:35.9		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-355/23:21:05.3
1985	M1O	03-355/23:29:36.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-355/23:21:05.4
1986	M1O	03-355/23:29:37.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-355/23:21:06.4
1987	M1O	03-355/23:29:38.0		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-355/23:21:07.4
1988	M1O	03-355/23:29:39.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-355/23:21:08.4
1989	M1O	03-355/23:29:40.0		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-355/23:21:09.4
1990	M1O	03-355/23:29:50.0		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-355/23:21:19.4
1991	M1O	03-355/23:30:00.0	14	Begin Tracking		
1992	M1O	03-355/23:30:00.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1993	M1O	03-355/23:30:00.0		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-355/23:21:29.4
1994	M1O	03-355/23:30:00.9		NOTE: Changing to 70M downlink rate: 110600_BPS		03-355/23:21:30.3
1995	M1O	03-355/23:30:00.9		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	03-355/23:21:30.3
1996	M1O	03-355/23:30:00.9	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1997	M1O	03-355/23:35:00.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-355/23:26:29.4
1998	M1O	03-355/23:35:01.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-355/23:26:30.4
1999	M1O	03-355/23:35:01.0	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2000	M1O	03-355/23:35:02.0		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-355/23:26:31.4
2001	M1O	03-355/23:42:19.5		NOTE: Enter Solar Eclipse 8958		03-355/23:33:48.8
2002	M1O	03-355/23:42:40.1		NOTE: Ascending Node Crossing 8958		03-355/23:34:09.4
2003	M1O	03-356/00:00:00.0		Light Time: OWLT = 08:30, RTLT = 17:01		
2004	M1O	03-356/00:01:12.6		SPAWN, Engine = 65535, Parameters = 3, 00:36:00.362, 1	dpt	03-355/23:52:41.9
2005	M1O	03-356/00:01:14.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-355/23:52:44.0
2006	M1O	03-356/00:01:14.7	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2007	M1O	03-356/00:01:15.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-355/23:52:45.0
2008	M1O	03-356/00:02:15.7		NOTE: ENTER HGA KEEP OUT ZONE		
2009	M1O	03-356/00:02:15.7	14	NOTE: Loss Of X-Band Signal		
2010	M1O	03-356/00:04:53.3		NOTE: Exit Solar Eclipse 8958		03-355/23:56:22.6
2011	M1O	03-356/00:10:09.4		NOTE: Enter Planetary Atmosphere 8958		03-356/00:01:38.6
2012	M1O	03-356/00:11:32.7		NOTE: Enter Earth Occultation 8958		03-356/00:03:02.0
2013	M1O	03-356/00:12:35.0		NOTE: North Pole Crossing 8958		03-356/00:04:04.3
2014	M1O	03-356/00:14:36.7		NOTE: Apoapsis 8958 -		03-356/00:06:05.9
2015	M1O	03-356/00:24:55.7		NOTE: EXIT HGA KEEP OUT ZONE		
2016	M1O	03-356/00:32:15.0		NOTE: Exit Earth Occultation 8958		03-356/00:23:44.2
2017	M1O	03-356/00:32:15.0	14	Acquisition Of X-Band Signal		
2018	M1O	03-356/00:32:15.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2019	M1O	03-356/00:33:39.4		NOTE: Exit Planetary Atmosphere 8958		03-356/00:25:08.5
2020	M1O	03-356/00:37:15.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-356/00:28:44.3
2021	M1O	03-356/00:37:15.2	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2022	M1O	03-356/00:37:16.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-356/00:28:45.3
2023	M1O	03-356/00:42:33.0		NOTE: Descending Node Crossing 8959		03-356/00:34:02.2
2024	M1O	03-356/01:11:55.9		NOTE: South Pole Crossing 8959		03-356/01:03:25.0
2025	M1O	03-356/01:13:28.3		NOTE: Periapsis 8959 ----------		03-356/01:04:57.3
2026	M1O	03-356/01:35:00.0	43	Begin Pre-Cal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2027	M1O	03-356/01:35:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
2028	M1O	03-356/01:35:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
2029	M1O	03-356/01:35:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
2030	M1O	03-356/01:35:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
2031	M1O	03-356/01:35:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
2032	M1O	03-356/01:35:00.0	43	Config: RCV: Parms:		
2033	M1O	03-356/01:35:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
2034	M1O	03-356/01:35:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
2035	M1O	03-356/01:35:00.0	43	Config: TXL		
2036	M1O	03-356/01:35:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
2037	M1O	03-356/01:35:00.0	43	Config: CMD		
2038	M1O	03-356/01:35:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
2039	M1O	03-356/01:40:52.7		NOTE: Enter Solar Eclipse 8959		03-356/01:32:21.7
2040	M1O	03-356/01:41:15.5		NOTE: Ascending Node Crossing 8959		03-356/01:32:44.4
2041	M1O	03-356/01:59:51.0		SPAWN, Engine = 65535, Parameters = 3, 00:35:58.725, 1	dpt	03-356/01:51:20.0
2042	M1O	03-356/01:59:53.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-356/01:51:22.1
2043	M1O	03-356/01:59:53.1	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2044	M1O	03-356/01:59:54.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-356/01:51:23.1
2045	M1O	03-356/02:00:53.0		NOTE: ENTER HGA KEEP OUT ZONE		
2046	M1O	03-356/02:00:53.0	14	NOTE: Loss Of X-Band Signal		
2047	M1O	03-356/02:03:30.4		NOTE: Exit Solar Eclipse 8959		03-356/01:54:59.3
2048	M1O	03-356/02:08:41.8		NOTE: Enter Planetary Atmosphere 8959		03-356/02:00:10.7
2049	M1O	03-356/02:10:04.9		NOTE: Enter Earth Occultation 8959		03-356/02:01:33.8
2050	M1O	03-356/02:11:10.3		NOTE: North Pole Crossing 8959		03-356/02:02:39.1
2051	M1O	03-356/02:13:13.5		NOTE: Apoapsis 8959 -		03-356/02:04:42.4
2052	M1O	03-356/02:23:33.1		NOTE: EXIT HGA KEEP OUT ZONE		
2053	M1O	03-356/02:30:51.8		NOTE: Exit Earth Occultation 8959		03-356/02:22:20.7
2054	M1O	03-356/02:30:51.8	14	Acquisition Of X-Band Signal		
2055	M1O	03-356/02:30:51.8	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2056	M1O	03-356/02:32:16.0		NOTE: Exit Planetary Atmosphere 8959		03-356/02:23:44.8
2057	M1O	03-356/02:35:52.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-356/02:27:20.8
2058	M1O	03-356/02:35:52.0	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2059	M1O	03-356/02:35:53.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-356/02:27:21.8
2060	M1O	03-356/02:41:08.1		NOTE: Descending Node Crossing 8960		03-356/02:32:36.9
2061	M1O	03-356/03:05:00.0	43	Begin Tracking		
2062	M1O	03-356/03:05:00.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2063	M1O	03-356/03:08:23.0	43	NOTE: Above Uplink Interlock Limit		
2064	M1O	03-356/03:10:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2065	M1O	03-356/03:10:29.8		NOTE: South Pole Crossing 8960		03-356/03:01:58.5
2066	M1O	03-356/03:11:48.8		NOTE: Periapsis 8960 ----------		03-356/03:03:17.5
2067	M1O	03-356/03:15:00.0	43	Range Modulation On: SUP=3.0dB		
2068	M1O	03-356/03:16:00.0	43	Begin Ranging Acquisition		
2069	M1O	03-356/03:25:00.0	14	End Tracking		
2070	M1O	03-356/03:25:59.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-356/03:17:28.6
2071	M1O	03-356/03:26:02.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-356/03:17:30.7
2072	M1O	03-356/03:26:02.0	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2073	M1O	03-356/03:26:03.0		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	03-356/03:17:31.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
2074	M1O	03-356/03:27:02.5	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2075	M1O	03-356/03:27:25.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
2076	M1O	03-356/03:32:02.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-356/03:23:30.7
2077	M1O	03-356/03:32:02.0	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2078	M1O	03-356/03:32:03.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-356/03:23:31.7
2079	M1O	03-356/03:37:25.0	43	Range Modulation Off		
2080	M1O	03-356/03:39:24.5		NOTE: Enter Solar Eclipse 8960		03-356/03:30:53.1
2081	M1O	03-356/03:39:48.3		NOTE: Ascending Node Crossing 8960		03-356/03:31:17.0
2082	M1O	03-356/03:40:00.0	14	End Post-Cal		
2083	M1O	03-356/03:42:25.0	43	X-Band Transmitter Off		
2084	M1O	03-356/03:58:25.0		SPAWN, Engine = 65535, Parameters = 3, 00:36:31, 1	dpt	03-356/03:49:53.6
2085	M1O	03-356/03:58:27.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-356/03:49:55.7
2086	M1O	03-356/03:58:27.1	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2087	M1O	03-356/03:58:28.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-356/03:49:56.7
2088	M1O	03-356/03:59:27.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2089	M1O	03-356/03:59:28.4		NOTE: ENTER HGA KEEP OUT ZONE		
2090	M1O	03-356/03:59:28.4	43	NOTE: Loss Of X-Band Signal		
2091	M1O	03-356/04:02:05.1		NOTE: Exit Solar Eclipse 8960		03-356/03:53:33.7
2092	M1O	03-356/04:07:11.0		NOTE: Enter Planetary Atmosphere 8960		03-356/03:58:39.6
2093	M1O	03-356/04:08:33.8		NOTE: Enter Earth Occultation 8960		03-356/04:00:02.3
2094	M1O	03-356/04:09:42.8		NOTE: North Pole Crossing 8960		03-356/04:01:11.3
2095	M1O	03-356/04:11:24.6		NOTE: Apoapsis 8960 -		03-356/04:02:53.1
2096	M1O	03-356/04:12:56.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2097	M1O	03-356/04:17:56.0	43	Range Modulation On: SUP=3.0dB		
2098	M1O	03-356/04:18:56.0	43	Begin Ranging Acquisition		
2099	M1O	03-356/04:22:08.5		NOTE: EXIT HGA KEEP OUT ZONE		
2100	M1O	03-356/04:29:26.1		NOTE: Exit Earth Occultation 8960		03-356/04:20:54.6
2101	M1O	03-356/04:29:26.1	43	Acquisition Of X-Band Signal		
2102	M1O	03-356/04:29:26.1	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2103	M1O	03-356/04:29:58.9	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2104	M1O	03-356/04:30:18.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
2105	M1O	03-356/04:30:49.9		NOTE: Exit Planetary Atmosphere 8960		03-356/04:22:18.4
2106	M1O	03-356/04:34:58.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-356/04:26:26.7
2107	M1O	03-356/04:34:58.2	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2108	M1O	03-356/04:34:59.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-356/04:26:27.7
2109	M1O	03-356/04:39:39.9		NOTE: Descending Node Crossing 8961		03-356/04:31:08.4
2110	M1O	03-356/04:40:18.0	43	Range Modulation Off		
2111	M1O	03-356/04:45:18.0	43	X-Band Transmitter Off		
2112	M1O	03-356/04:52:40.5		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	03-356/04:44:09.0
2113	M1O	03-356/04:52:40.6		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-356/04:44:09.1
2114	M1O	03-356/04:52:41.6		Forces a desaturation of the reaction wheels.	RW_DESAT	03-356/04:44:10.1
2115	M1O	03-356/04:54:09.6		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-356/04:45:38.0
2116	M1O	03-356/04:54:25.4		Queues in the retransmit buffer, by time range, designated packet from the specified	PCKTS_RE_TX_TIME	03-356/04:45:53.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 38, 2003-354T04:45:38.100, 2003-356T04:45:38.100		
2117	M1O	03-356/04:54:26.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-354T04:45:38.100, 2003-356T04:45:38.100	PCKTS_RE_TX_TIME	03-356/04:45:54.8
2118	M1O	03-356/04:54:27.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-354T04:45:38.100, 2003-356T04:45:38.100	PCKTS_RE_TX_TIME	03-356/04:45:55.8
2119	M1O	03-356/04:54:28.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-354T04:45:38.100, 2003-356T04:45:38.100	PCKTS_RE_TX_TIME	03-356/04:45:56.8
2120	M1O	03-356/04:54:29.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-354T04:45:38.100, 2003-356T04:45:38.100	PCKTS_RE_TX_TIME	03-356/04:45:57.8
2121	M1O	03-356/04:54:30.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-354T04:45:38.100, 2003-356T04:45:38.100	PCKTS_RE_TX_TIME	03-356/04:45:58.8
2122	M1O	03-356/04:54:30.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-356/04:45:58.8
2123	M1O	03-356/04:54:30.4	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2124	M1O	03-356/05:01:31.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-356/04:52:59.8
2125	M1O	03-356/05:01:31.4	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2126	M1O	03-356/05:01:32.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-356/04:53:00.8
2127	M1O	03-356/05:01:48.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-356/04:53:16.8
2128	M1O	03-356/05:01:48.4	43	D/L RF Warning: SC antenna change - expect signal level variation		
2129	M1O	03-356/05:01:49.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-356/04:53:17.8
2130	M1O	03-356/05:02:21.1	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2131	M1O	03-356/05:04:11.7		CALL, Engine = , Parameters = FALSE	park_hga	03-356/04:55:40.1
2132	M1O	03-356/05:04:11.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-356/04:55:40.1
2133	M1O	03-356/05:04:12.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-356/04:55:41.1
2134	M1O	03-356/05:04:13.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-356/04:55:42.1
2135	M1O	03-356/05:04:13.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-356/04:55:42.1
2136	M1O	03-356/05:04:13.7		NOTE: START HGA PARK		
2137	M1O	03-356/05:04:13.7	43	NOTE: Loss Of X-Band Signal		
2138	M1O	03-356/05:04:14.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-356/04:55:43.1
2139	M1O	03-356/05:04:15.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-356/04:55:44.1
2140	M1O	03-356/05:08:45.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	03-356/05:00:14.1
2141	M1O	03-356/05:09:01.3		NOTE: South Pole Crossing 8961		03-356/05:00:29.6
2142	M1O	03-356/05:10:01.2		NOTE: Periapsis 8961 ----------		03-356/05:01:29.5
2143	M1O	03-356/05:12:15.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-356/05:03:44.1
2144	M1O	03-356/05:12:15.7		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-356/05:03:44.1
2145	M1O	03-356/05:37:56.9		NOTE: Enter Solar Eclipse 8961		03-356/05:29:25.2
2146	M1O	03-356/05:38:20.2		NOTE: Ascending Node Crossing 8961		03-356/05:29:48.4
2147	M1O	03-356/05:42:15.7		GV: GV_DESAT_ACTIVE = 1		03-356/05:33:44.0
2148	M1O	03-356/05:42:16.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	03-356/05:33:45.0
2149	M1O	03-356/05:42:16.7		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-356/05:33:45.0
2150	M1O	03-356/05:52:15.7		GV: GV_DESAT_ACTIVE = 0		03-356/05:43:44.0
2151	M1O	03-356/05:52:16.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	03-356/05:43:45.0
2152	M1O	03-356/05:52:17.7		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-356/05:43:46.0
2153	M1O	03-356/05:52:18.7		CALL, Engine = , Parameters =	unpark_hga	03-356/05:43:47.0
2154	M1O	03-356/05:52:18.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS,	FSW_OBJ_INITIAL	03-356/05:43:47.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/sam_ga_hga_cps.cfg,		
2155	M1O	03-356/05:52:19.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-356/05:43:48.0
2156	M1O	03-356/05:56:49.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	03-356/05:48:18.0
2157	M1O	03-356/05:56:50.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	03-356/05:48:19.0
2158	M1O	03-356/05:57:59.7		NOTE: ENTER HGA KEEP OUT ZONE		
2159	M1O	03-356/06:00:36.1		NOTE: Exit Solar Eclipse 8961		03-356/05:52:04.3
2160	M1O	03-356/06:00:50.7		NOTE: EXIT HGA PARK		
2161	M1O	03-356/06:05:42.4		NOTE: Enter Planetary Atmosphere 8961		03-356/05:57:10.6
2162	M1O	03-356/06:07:05.3		NOTE: Enter Earth Occultation 8961		03-356/05:58:33.5
2163	M1O	03-356/06:08:14.2		NOTE: North Pole Crossing 8961		03-356/05:59:42.4
2164	M1O	03-356/06:09:59.3		NOTE: Apoapsis 8961 -		03-356/06:01:27.5
2165	M1O	03-356/06:11:25.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2166	M1O	03-356/06:16:25.0	43	Range Modulation On: SUP=3.0dB		
2167	M1O	03-356/06:17:25.0	43	Begin Ranging Acquisition		
2168	M1O	03-356/06:20:39.8		NOTE: EXIT HGA KEEP OUT ZONE		
2169	M1O	03-356/06:27:31.0		SPAWN, Engine = 65535, Parameters = 00:05:32.530	cstr	03-356/06:18:59.1
2170	M1O	03-356/06:27:31.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-356/06:18:59.2
2171	M1O	03-356/06:27:32.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-356/06:19:00.2
2172	M1O	03-356/06:27:33.1		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-356/06:19:01.2
2173	M1O	03-356/06:27:34.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-356/06:19:02.2
2174	M1O	03-356/06:27:35.1		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-356/06:19:03.2
2175	M1O	03-356/06:27:45.1		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-356/06:19:13.2
2176	M1O	03-356/06:27:55.1		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-356/06:19:23.2
2177	M1O	03-356/06:27:56.0		NOTE: Exit Earth Occultation 8961		03-356/06:19:24.1
2178	M1O	03-356/06:27:56.0	43	Acquisition Of X-Band Signal		
2179	M1O	03-356/06:27:56.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2180	M1O	03-356/06:28:28.6	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2181	M1O	03-356/06:29:19.9		NOTE: Exit Planetary Atmosphere 8961		03-356/06:20:48.0
2182	M1O	03-356/06:33:27.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-356/06:24:55.8
2183	M1O	03-356/06:33:28.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-356/06:24:56.8
2184	M1O	03-356/06:33:28.7	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2185	M1O	03-356/06:33:29.7		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-356/06:24:57.8
2186	M1O	03-356/06:38:10.9		NOTE: Descending Node Crossing 8962		03-356/06:29:39.0
2187	M1O	03-356/07:07:33.0		NOTE: South Pole Crossing 8962		03-356/06:59:01.0
2188	M1O	03-356/07:08:31.6		NOTE: Periapsis 8962 ----------		03-356/06:59:59.6
2189	M1O	03-356/07:08:32.0		SPAWN, Engine = 65535, Parameters =	scdiag	03-356/07:00:00.0
2190	M1O	03-356/07:08:33.1		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	03-356/07:00:01.1
2191	M1O	03-356/07:08:34.1		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	03-356/07:00:02.1
2192	M1O	03-356/07:09:35.0		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-356/07:01:03.0
2193	M1O	03-356/07:09:35.2		NOTE: Start Block fsw_diag		03-356/07:01:03.2
2194	M1O	03-356/07:09:36.2		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	03-356/07:01:04.2
2195	M1O	03-356/07:09:37.2		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65,	FSW_VX_CMD	03-356/07:01:05.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				0x73636543,0x6F756E74,0x2C312C34,0x0000]		
2196	M1O	03-356/07:09:48.2		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	03-356/07:01:16.2
2197	M1O	03-356/07:10:18.2		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	03-356/07:01:46.2
2198	M1O	03-356/07:10:38.2		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	03-356/07:02:06.2
2199	M1O	03-356/07:10:48.2		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	03-356/07:02:16.2
2200	M1O	03-356/07:11:08.2		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	03-356/07:02:36.2
2201	M1O	03-356/07:11:18.2		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	03-356/07:02:46.2
2202	M1O	03-356/07:11:23.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	03-356/07:02:51.2
2203	M1O	03-356/07:11:28.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	03-356/07:02:56.2
2204	M1O	03-356/07:11:33.2		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	03-356/07:03:01.2
2205	M1O	03-356/07:11:38.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	03-356/07:03:06.2
2206	M1O	03-356/07:11:43.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	03-356/07:03:11.2
2207	M1O	03-356/07:12:23.2		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	03-356/07:03:51.2
2208	M1O	03-356/07:12:28.2		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	03-356/07:03:56.2
2209	M1O	03-356/07:12:33.2		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	03-356/07:04:01.2
2210	M1O	03-356/07:12:38.2		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	03-356/07:04:06.2
2211	M1O	03-356/07:12:43.2		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	03-356/07:04:11.2
2212	M1O	03-356/07:12:44.2		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	03-356/07:04:12.2
2213	M1O	03-356/07:12:45.2		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	03-356/07:04:13.2
2214	M1O	03-356/07:12:46.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-356/07:04:14.2
2215	M1O	03-356/07:12:57.2		NOTE: End Block fsw_diag.mod		03-356/07:04:25.2
2216	M1O	03-356/07:24:26.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
2217	M1O	03-356/07:34:26.0	43	Range Modulation Off		
2218	M1O	03-356/07:36:30.5		NOTE: Enter Solar Eclipse 8962		03-356/07:27:58.4
2219	M1O	03-356/07:36:53.0		NOTE: Ascending Node Crossing 8962		03-356/07:28:20.9
2220	M1O	03-356/07:39:26.0	43	X-Band Transmitter Off		
2221	M1O	03-356/07:55:27.8		SPAWN, Engine = 65535, Parameters = 3, 00:36:28, 1	dpt	03-356/07:46:55.7
2222	M1O	03-356/07:55:29.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-356/07:46:57.8
2223	M1O	03-356/07:55:29.9	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2224	M1O	03-356/07:55:30.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-356/07:46:58.8
2225	M1O	03-356/07:56:30.1	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2226	M1O	03-356/07:56:31.1		NOTE: ENTER HGA KEEP OUT ZONE		
2227	M1O	03-356/07:56:31.1	43	NOTE: Loss Of X-Band Signal		
2228	M1O	03-356/07:59:04.0		NOTE: Exit Solar Eclipse 8962		03-356/07:50:31.9
2229	M1O	03-356/08:04:22.2		NOTE: Enter Planetary Atmosphere 8962		03-356/07:55:50.1
2230	M1O	03-356/08:05:45.8		NOTE: Enter Earth Occultation 8962		03-356/07:57:13.6
2231	M1O	03-356/08:06:48.3		NOTE: North Pole Crossing 8962		03-356/07:58:16.1
2232	M1O	03-356/08:08:40.4		NOTE: Apoapsis 8962 -		03-356/08:00:08.2
2233	M1O	03-356/08:09:54.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2234	M1O	03-356/08:14:54.0	43	Range Modulation On: SUP=3.0dB		
2235	M1O	03-356/08:15:54.0	43	Begin Ranging Acquisition		
2236	M1O	03-356/08:19:11.2		NOTE: EXIT HGA KEEP OUT ZONE		
2237	M1O	03-356/08:26:26.0		NOTE: Exit Earth Occultation 8962		03-356/08:17:53.8
2238	M1O	03-356/08:26:26.0	43	Acquisition Of X-Band Signal		
2239	M1O	03-356/08:26:26.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2240	M1O	03-356/08:26:58.3	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2241	M1O	03-356/08:27:50.6		NOTE: Exit Planetary Atmosphere 8962		03-356/08:19:18.4
2242	M1O	03-356/08:31:58.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-356/08:23:25.8
2243	M1O	03-356/08:31:58.0	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2244	M1O	03-356/08:31:59.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-356/08:23:26.8
2245	M1O	03-356/08:36:46.3		NOTE: Descending Node Crossing 8963		03-356/08:28:14.0
2246	M1O	03-356/09:06:08.6		NOTE: South Pole Crossing 8963		03-356/08:57:36.3
2247	M1O	03-356/09:07:15.5		NOTE: Periapsis 8963 ----------		03-356/08:58:43.1
2248	M1O	03-356/09:23:01.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
2249	M1O	03-356/09:33:01.0	43	Range Modulation Off		
2250	M1O	03-356/09:35:05.5		NOTE: Enter Solar Eclipse 8963		03-356/09:26:33.1
2251	M1O	03-356/09:35:28.4		NOTE: Ascending Node Crossing 8963		03-356/09:26:56.0
2252	M1O	03-356/09:38:01.0	43	X-Band Transmitter Off		
2253	M1O	03-356/09:46:55.4		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-356/09:38:23.0
2254	M1O	03-356/09:47:11.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-354T09:38:23.100, 2003-356T09:38:23.100	PCKTS_RE_TX_TIME	03-356/09:38:38.8
2255	M1O	03-356/09:47:12.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-354T09:38:23.100, 2003-356T09:38:23.100	PCKTS_RE_TX_TIME	03-356/09:38:39.8
2256	M1O	03-356/09:47:13.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-354T09:38:23.100, 2003-356T09:38:23.100	PCKTS_RE_TX_TIME	03-356/09:38:40.8
2257	M1O	03-356/09:47:14.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-354T09:38:23.100, 2003-356T09:38:23.100	PCKTS_RE_TX_TIME	03-356/09:38:41.8
2258	M1O	03-356/09:47:15.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-354T09:38:23.100, 2003-356T09:38:23.100	PCKTS_RE_TX_TIME	03-356/09:38:42.8
2259	M1O	03-356/09:47:16.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-354T09:38:23.100, 2003-356T09:38:23.100	PCKTS_RE_TX_TIME	03-356/09:38:43.8
2260	M1O	03-356/09:47:16.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-356/09:38:43.8
2261	M1O	03-356/09:47:16.2	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2262	M1O	03-356/09:54:17.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-356/09:45:44.8
2263	M1O	03-356/09:54:17.3	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2264	M1O	03-356/09:54:18.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-356/09:45:45.8
2265	M1O	03-356/09:54:34.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-356/09:46:01.8
2266	M1O	03-356/09:54:34.3	43	D/L RF Warning: SC antenna change - expect signal level variation		
2267	M1O	03-356/09:54:35.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-356/09:46:02.8
2268	M1O	03-356/09:55:05.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2269	M1O	03-356/09:55:06.5		NOTE: ENTER HGA KEEP OUT ZONE		
2270	M1O	03-356/09:55:06.5	43	NOTE: Loss Of X-Band Signal		
2271	M1O	03-356/09:57:35.9		NOTE: Exit Solar Eclipse 8963		03-356/09:49:03.3
2272	M1O	03-356/10:03:02.5		NOTE: Enter Planetary Atmosphere 8963		03-356/09:54:29.9
2273	M1O	03-356/10:04:26.4		NOTE: Enter Earth Occultation 8963		03-356/09:55:53.9
2274	M1O	03-356/10:05:24.7		NOTE: North Pole Crossing 8963		03-356/09:56:52.1
2275	M1O	03-356/10:07:11.3		NOTE: Apoapsis 8963 -		03-356/09:58:38.8
2276	M1O	03-356/10:17:26.5		NOTE: EXIT HGA KEEP OUT ZONE		
2277	M1O	03-356/10:25:00.4		NOTE: Exit Earth Occultation 8963		03-356/10:16:27.8
2278	M1O	03-356/10:25:00.4	43	Acquisition Of X-Band Signal		
2279	M1O	03-356/10:25:00.4	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2280	M1O	03-356/10:26:25.4		NOTE: Exit Planetary Atmosphere 8963		03-356/10:17:52.8
2281	M1O	03-356/10:30:00.0	43	End Tracking		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2282	M1O	03-356/10:35:23.8		NOTE: Descending Node Crossing 8964		03-356/10:26:51.1
2283	M1O	03-356/10:45:00.0	43	End Post-Cal		
2284	M1O	03-356/11:04:46.0		NOTE: South Pole Crossing 8964		03-356/10:56:13.3
2285	M1O	03-356/11:05:52.9		NOTE: Periapsis 8964 ----------		03-356/10:57:20.2
2286	M1O	03-356/11:33:41.9		NOTE: Enter Solar Eclipse 8964		03-356/11:25:09.1
2287	M1O	03-356/11:34:05.4		NOTE: Ascending Node Crossing 8964		03-356/11:25:32.6
2288	M1O	03-356/11:53:43.8		NOTE: ENTER HGA KEEP OUT ZONE		
2289	M1O	03-356/11:56:12.2		NOTE: Exit Solar Eclipse 8964		03-356/11:47:39.4
2290	M1O	03-356/12:01:38.7		NOTE: Enter Planetary Atmosphere 8964		03-356/11:53:05.8
2291	M1O	03-356/12:03:02.6		NOTE: Enter Earth Occultation 8964		03-356/11:54:29.7
2292	M1O	03-356/12:04:01.5		NOTE: North Pole Crossing 8964		03-356/11:55:28.6
2293	M1O	03-356/12:05:33.7		NOTE: Apoapsis 8964 -		03-356/11:57:00.8
2294	M1O	03-356/12:16:03.9		NOTE: EXIT HGA KEEP OUT ZONE		
2295	M1O	03-356/12:23:37.7		NOTE: Exit Earth Occultation 8964		03-356/12:15:04.7
2296	M1O	03-356/12:25:02.6		NOTE: Exit Planetary Atmosphere 8964		03-356/12:16:29.6
2297	M1O	03-356/12:34:00.4		NOTE: Descending Node Crossing 8965		03-356/12:25:27.4
2298	M1O	03-356/13:03:22.7		NOTE: South Pole Crossing 8965		03-356/12:54:49.6
2299	M1O	03-356/13:04:26.2		NOTE: Periapsis 8965 ----------		03-356/12:55:53.1
2300	M1O	03-356/13:30:00.0	63	Begin Pre-Cal		
2301	M1O	03-356/13:30:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
2302	M1O	03-356/13:30:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
2303	M1O	03-356/13:30:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
2304	M1O	03-356/13:30:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
2305	M1O	03-356/13:30:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
2306	M1O	03-356/13:30:00.0	63	Config: RCV: Parms:		
2307	M1O	03-356/13:30:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
2308	M1O	03-356/13:30:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
2309	M1O	03-356/13:30:00.0	63	Config: TXL		
2310	M1O	03-356/13:30:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
2311	M1O	03-356/13:30:00.0	63	Config: CMD		
2312	M1O	03-356/13:30:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
2313	M1O	03-356/13:32:18.4		NOTE: Enter Solar Eclipse 8965		03-356/13:23:45.3
2314	M1O	03-356/13:32:42.2		NOTE: Ascending Node Crossing 8965		03-356/13:24:09.0
2315	M1O	03-356/13:52:20.2		NOTE: ENTER HGA KEEP OUT ZONE		
2316	M1O	03-356/13:54:51.2		NOTE: Exit Solar Eclipse 8965		03-356/13:46:18.0
2317	M1O	03-356/14:00:10.0		NOTE: Enter Planetary Atmosphere 8965		03-356/13:51:36.7
2318	M1O	03-356/14:01:33.4		NOTE: Enter Earth Occultation 8965		03-356/13:53:00.1
2319	M1O	03-356/14:02:37.2		NOTE: North Pole Crossing 8965		03-356/13:54:04.0
2320	M1O	03-356/14:03:58.2		NOTE: Apoapsis 8965 -		03-356/13:55:25.0
2321	M1O	03-356/14:14:40.2		NOTE: EXIT HGA KEEP OUT ZONE		
2322	M1O	03-356/14:22:15.4		NOTE: Exit Earth Occultation 8965		03-356/14:13:42.1
2323	M1O	03-356/14:23:39.8		NOTE: Exit Planetary Atmosphere 8965		03-356/14:15:06.5
2324	M1O	03-356/14:32:34.8		NOTE: Descending Node Crossing 8966		03-356/14:24:01.4
2325	M1O	03-356/14:44:35.4		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-356/14:36:02.0
2326	M1O	03-356/14:44:35.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-356/14:36:02.1
2327	M1O	03-356/14:44:36.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-356/14:36:03.1
2328	M1O	03-356/14:44:37.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-356/14:36:04.1
2329	M1O	03-356/14:44:38.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-356/14:36:05.1
2330	M1O	03-356/14:44:39.5		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-356/14:36:06.1
2331	M1O	03-356/14:44:49.5		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-356/14:36:16.1
2332	M1O	03-356/14:44:59.5		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-356/14:36:26.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2333	M1O	03-356/14:45:00.0	63	Begin Tracking		
2334	M1O	03-356/14:45:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2335	M1O	03-356/14:46:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2336	M1O	03-356/14:49:59.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-356/14:41:26.1
2337	M1O	03-356/14:50:00.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-356/14:41:27.1
2338	M1O	03-356/14:50:00.5	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2339	M1O	03-356/14:50:01.5		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-356/14:41:28.1
2340	M1O	03-356/14:51:00.0	63	Range Modulation On: SUP=3.0dB		
2341	M1O	03-356/14:52:00.0	63	Begin Ranging Acquisition		
2342	M1O	03-356/15:01:57.0		NOTE: South Pole Crossing 8966		03-356/14:53:23.6
2343	M1O	03-356/15:02:04.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-356/14:53:30.8
2344	M1O	03-356/15:02:06.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-356/14:53:32.9
2345	M1O	03-356/15:02:06.3	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2346	M1O	03-356/15:02:07.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-356/14:53:33.9
2347	M1O	03-356/15:03:03.1		NOTE: Periapsis 8966 ----------		03-356/14:54:29.7
2348	M1O	03-356/15:03:06.7	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2349	M1O	03-356/15:08:06.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-356/14:59:32.9
2350	M1O	03-356/15:08:06.3	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2351	M1O	03-356/15:08:07.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-356/14:59:33.9
2352	M1O	03-356/15:18:47.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
2353	M1O	03-356/15:28:47.0	63	Range Modulation Off		
2354	M1O	03-356/15:30:51.9		NOTE: Enter Solar Eclipse 8966		03-356/15:22:18.4
2355	M1O	03-356/15:31:16.4		NOTE: Ascending Node Crossing 8966		03-356/15:22:42.9
2356	M1O	03-356/15:33:47.0	63	X-Band Transmitter Off		
2357	M1O	03-356/15:49:51.3		SPAWN, Engine = 65535, Parameters = 3, 00:36:28, 1	dpt	03-356/15:41:17.8
2358	M1O	03-356/15:49:53.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-356/15:41:19.9
2359	M1O	03-356/15:49:53.4	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2360	M1O	03-356/15:49:54.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-356/15:41:20.9
2361	M1O	03-356/15:50:54.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2362	M1O	03-356/15:50:54.5		NOTE: ENTER HGA KEEP OUT ZONE		
2363	M1O	03-356/15:50:54.5	63	NOTE: Loss Of X-Band Signal		
2364	M1O	03-356/15:53:28.1		NOTE: Exit Solar Eclipse 8966		03-356/15:44:54.5
2365	M1O	03-356/15:58:38.8		NOTE: Enter Planetary Atmosphere 8966		03-356/15:50:05.2
2366	M1O	03-356/16:00:01.8		NOTE: Enter Earth Occultation 8966		03-356/15:51:28.2
2367	M1O	03-356/16:01:10.5		NOTE: North Pole Crossing 8966		03-356/15:52:36.9
2368	M1O	03-356/16:02:46.3		NOTE: Apoapsis 8966 -		03-356/15:54:12.7
2369	M1O	03-356/16:04:15.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2370	M1O	03-356/16:09:15.0	63	Range Modulation On: SUP=3.0dB		
2371	M1O	03-356/16:10:15.0	63	Begin Ranging Acquisition		
2372	M1O	03-356/16:13:14.6		NOTE: EXIT HGA KEEP OUT ZONE		
2373	M1O	03-356/16:20:49.8		NOTE: Exit Earth Occultation 8966		03-356/16:12:16.2
2374	M1O	03-356/16:20:49.8	63	Acquisition Of X-Band Signal		
2375	M1O	03-356/16:20:49.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
2376	M1O	03-356/16:21:22.2	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2377	M1O	03-356/16:22:13.9		NOTE: Exit Planetary Atmosphere 8966		03-356/16:13:40.2
2378	M1O	03-356/16:26:21.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-356/16:17:47.9
2379	M1O	03-356/16:26:21.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2380	M1O	03-356/16:26:22.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-356/16:17:48.9
2381	M1O	03-356/16:31:07.1		NOTE: Descending Node Crossing 8967		03-356/16:22:33.4
2382	M1O	03-356/17:00:28.5		NOTE: South Pole Crossing 8967		03-356/16:51:54.7
2383	M1O	03-356/17:01:33.2		NOTE: Periapsis 8967 ----------		03-356/16:52:59.4
2384	M1O	03-356/17:17:19.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
2385	M1O	03-356/17:27:19.0	63	Range Modulation Off		
2386	M1O	03-356/17:29:22.2		NOTE: Enter Solar Eclipse 8967		03-356/17:20:48.3
2387	M1O	03-356/17:29:47.3		NOTE: Ascending Node Crossing 8967		03-356/17:21:13.5
2388	M1O	03-356/17:32:19.0	63	X-Band Transmitter Off		
2389	M1O	03-356/17:48:23.7		SPAWN, Engine = 65535, Parameters = 3, 00:36:28.083, 1	dpt	03-356/17:39:49.8
2390	M1O	03-356/17:48:25.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-356/17:39:51.9
2391	M1O	03-356/17:48:25.8	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2392	M1O	03-356/17:48:26.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-356/17:39:52.9
2393	M1O	03-356/17:49:26.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2394	M1O	03-356/17:49:26.9		NOTE: ENTER HGA KEEP OUT ZONE		
2395	M1O	03-356/17:49:26.9	63	NOTE: Loss Of X-Band Signal		
2396	M1O	03-356/17:51:58.5		NOTE: Exit Solar Eclipse 8967		03-356/17:43:24.5
2397	M1O	03-356/17:57:10.1		NOTE: Enter Planetary Atmosphere 8967		03-356/17:48:36.1
2398	M1O	03-356/17:58:33.2		NOTE: Enter Earth Occultation 8967		03-356/17:49:59.2
2399	M1O	03-356/17:59:41.7		NOTE: North Pole Crossing 8967		03-356/17:51:07.8
2400	M1O	03-356/18:01:14.5		NOTE: Apoapsis 8967 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2419	M1O	03-356/19:28:19.1		NOTE: Ascending Node Crossing 8968		03-356/19:19:44.9
2420	M1O	03-356/19:30:49.0	63	X-Band Transmitter Off		
2421	M1O	03-356/19:46:55.1		SPAWN, Engine = 65535, Parameters = 3, 00:36:25, 1	dpt	03-356/19:38:20.8
2422	M1O	03-356/19:46:57.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-356/19:38:22.9
2423	M1O	03-356/19:46:57.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2424	M1O	03-356/19:46:58.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-356/19:38:23.9
2425	M1O	03-356/19:47:57.4	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2426	M1O	03-356/19:47:58.2		NOTE: ENTER HGA KEEP OUT ZONE		
2427	M1O	03-356/19:47:58.2	63	NOTE: Loss Of X-Band Signal		
2428	M1O	03-356/19:50:25.9		NOTE: Exit Solar Eclipse 8968		03-356/19:41:51.6
2429	M1O	03-356/19:55:47.7		NOTE: Enter Planetary Atmosphere 8968		03-356/19:47:13.4
2430	M1O	03-356/19:57:11.3		NOTE: Enter Earth Occultation 8968		03-356/19:48:37.0
2431	M1O	03-356/19:58:14.6		NOTE: North Pole Crossing 8968		03-356/19:49:40.3
2432	M1O	03-356/19:59:26.4		NOTE: Apoapsis 8968 -		03-356/19:50:52.0
2433	M1O	03-356/20:01:14.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2434	M1O	03-356/20:06:14.0	63	Range Modulation On: SUP=3.0dB		
2435	M1O	03-356/20:07:14.0	63	Begin Ranging Acquisition		
2436	M1O	03-356/20:10:18.3		NOTE: EXIT HGA KEEP OUT ZONE		
2437	M1O	03-356/20:17:50.7		NOTE: Exit Earth Occultation 8968		03-356/20:09:16.3
2438	M1O	03-356/20:17:50.7	63	Acquisition Of X-Band Signal		
2439	M1O	03-356/20:17:50.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2440	M1O	03-356/20:18:22.6	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2441	M1O	03-356/20:19:15.4		NOTE: Exit Planetary Atmosphere 8968		03-356/20:10:41.0
2442	M1O	03-356/20:23:22.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-356/20:14:47.9
2443	M1O	03-356/20:23:22.3	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2444	M1O	03-356/20:23:23.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-356/20:14:48.9
2445	M1O	03-356/20:28:12.4		NOTE: Descending Node Crossing 8969		03-356/20:19:37.9
2446	M1O	03-356/20:57:34.7		NOTE: South Pole Crossing 8969		03-356/20:49:00.2
2447	M1O	03-356/20:58:20.6		NOTE: Periapsis 8969 ----------		03-356/20:49:46.1
2448	M1O	03-356/21:14:23.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
2449	M1O	03-356/21:24:23.0	63	Range Modulation Off		
2450	M1O	03-356/21:26:32.6		NOTE: Enter Solar Eclipse 8969		03-356/21:17:58.0
2451	M1O	03-356/21:26:55.1		NOTE: Ascending Node Crossing 8969		03-356/21:18:20.6
2452	M1O	03-356/21:29:23.0	63	X-Band Transmitter Off		
2453	M1O	03-356/21:45:29.5		SPAWN, Engine = 65535, Parameters = 3, 00:36:24, 1	dpt	03-356/21:36:54.8
2454	M1O	03-356/21:45:31.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-356/21:36:56.9
2455	M1O	03-356/21:45:31.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2456	M1O	03-356/21:45:32.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-356/21:36:57.9
2457	M1O	03-356/21:46:32.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2458	M1O	03-356/21:46:32.6		NOTE: ENTER HGA KEEP OUT ZONE		
2459	M1O	03-356/21:46:32.6	63	NOTE: Loss Of X-Band Signal		
2460	M1O	03-356/21:48:58.9		NOTE: Exit Solar Eclipse 8969		03-356/21:40:24.3
2461	M1O	03-356/21:54:26.0		NOTE: Enter Planetary Atmosphere 8969		03-356/21:45:51.3
2462	M1O	03-356/21:55:49.9		NOTE: Enter Earth Occultation 8969		03-356/21:47:15.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2463	M1O	03-356/21:56:50.5		NOTE: North Pole Crossing 8969		03-356/21:48:15.8
2464	M1O	03-356/21:58:16.9		NOTE: Apoapsis 8969 -		03-356/21:49:42.2
2465	M1O	03-356/21:59:47.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2466	M1O	03-356/22:04:47.0	63	Range Modulation On: SUP=3.0dB		
2467	M1O	03-356/22:05:47.0	63	Begin Ranging Acquisition		
2468	M1O	03-356/22:08:52.7		NOTE: EXIT HGA KEEP OUT ZONE		
2469	M1O	03-356/22:16:23.8		NOTE: Exit Earth Occultation 8969		03-356/22:07:49.0
2470	M1O	03-356/22:16:23.8	63	Acquisition Of X-Band Signal		
2471	M1O	03-356/22:16:23.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2472	M1O	03-356/22:16:56.3	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2473	M1O	03-356/22:17:48.7		NOTE: Exit Planetary Atmosphere 8969		03-356/22:09:14.0
2474	M1O	03-356/22:21:55.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-356/22:13:20.9
2475	M1O	03-356/22:21:55.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2476	M1O	03-356/22:21:56.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-356/22:13:21.9
2477	M1O	03-356/22:26:48.4		NOTE: Descending Node Crossing 8970		03-356/22:18:13.6
2478	M1O	03-356/22:37:51.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
2479	M1O	03-356/22:47:51.0	63	Range Modulation Off		
2480	M1O	03-356/22:52:50.2	63	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
2481	M1O	03-356/22:52:51.0	63	X-Band Transmitter Off		
2482	M1O	03-356/22:56:11.9		NOTE: South Pole Crossing 8970		03-356/22:47:37.0
2483	M1O	03-356/22:57:26.2		NOTE: Periapsis 8970 ----------		03-356/22:48:51.4
2484	M1O	03-356/23:01:49.8		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-356/22:53:15.0
2485	M1O	03-356/23:02:05.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-354T22:53:15.100, 2003-356T22:53:15.100	PCKTS_RE_TX_TIME	03-356/22:53:30.8
2486	M1O	03-356/23:02:06.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-354T22:53:15.100, 2003-356T22:53:15.100	PCKTS_RE_TX_TIME	03-356/22:53:31.8
2487	M1O	03-356/23:02:07.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-354T22:53:15.100, 2003-356T22:53:15.100	PCKTS_RE_TX_TIME	03-356/22:53:32.8
2488	M1O	03-356/23:02:08.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-354T22:53:15.100, 2003-356T22:53:15.100	PCKTS_RE_TX_TIME	03-356/22:53:33.8
2489	M1O	03-356/23:02:09.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-354T22:53:15.100, 2003-356T22:53:15.100	PCKTS_RE_TX_TIME	03-356/22:53:34.8
2490	M1O	03-356/23:02:10.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-354T22:53:15.100, 2003-356T22:53:15.100	PCKTS_RE_TX_TIME	03-356/22:53:35.8
2491	M1O	03-356/23:02:10.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-356/22:53:35.8
2492	M1O	03-356/23:02:10.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2493	M1O	03-356/23:09:11.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-356/23:00:36.8
2494	M1O	03-356/23:09:11.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2495	M1O	03-356/23:09:12.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-356/23:00:37.8
2496	M1O	03-356/23:09:28.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-356/23:00:53.8
2497	M1O	03-356/23:09:28.6	63	D/L RF Warning: SC antenna change - expect signal level variation		
2498	M1O	03-356/23:09:29.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-356/23:00:54.8
2499	M1O	03-356/23:10:00.0	63	End Tracking		
2500	M1O	03-356/23:25:00.0	63	End Post-Cal		
2501	M1O	03-356/23:25:08.8		NOTE: Enter Solar Eclipse 8970		03-356/23:16:33.9
2502	M1O	03-356/23:25:32.5		NOTE: Ascending Node Crossing 8970		03-356/23:16:57.6
2503	M1O	03-356/23:45:08.0		NOTE: ENTER HGA KEEP OUT ZONE		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2504	M1O	03-356/23:47:35.6		NOTE: Exit Solar Eclipse 8970		03-356/23:39:00.6
2505	M1O	03-356/23:53:02.6		NOTE: Enter Planetary Atmosphere 8970		03-356/23:44:27.6
2506	M1O	03-356/23:54:26.7		NOTE: Enter Earth Occultation 8970		03-356/23:45:51.7
2507	M1O	03-356/23:55:27.3		NOTE: North Pole Crossing 8970		03-356/23:46:52.3
2508	M1O	03-356/23:57:32.6		NOTE: Apoapsis 8970 -		03-356/23:48:57.6
2509	M1O	03-357/00:00:00.0		Light Time: OWLT = 08:35, RTLT = 17:10		
2510	M1O	03-357/00:07:28.0		NOTE: EXIT HGA KEEP OUT ZONE		
2511	M1O	03-357/00:14:58.9		NOTE: Exit Earth Occultation 8970		03-357/00:06:23.8
2512	M1O	03-357/00:16:23.9		NOTE: Exit Planetary Atmosphere 8970		03-357/00:07:48.9
2513	M1O	03-357/00:25:25.4		NOTE: Descending Node Crossing 8971		03-357/00:16:50.2
2514	M1O	03-357/00:45:00.0	15	Begin Pre-Cal		
2515	M1O	03-357/00:45:00.0	15	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
2516	M1O	03-357/00:45:00.0	15	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
2517	M1O	03-357/00:45:00.0	15	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
2518	M1O	03-357/00:45:00.0	15	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
2519	M1O	03-357/00:45:00.0	15	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
2520	M1O	03-357/00:45:00.0	15	Config: RCV: Parms:		
2521	M1O	03-357/00:45:00.0	15	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
2522	M1O	03-357/00:45:00.0	15	Config: TGC: BAND=X, SR=221200.000000		
2523	M1O	03-357/00:45:00.0	15	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
2524	M1O	03-357/00:54:48.8		NOTE: South Pole Crossing 8971		03-357/00:46:13.6
2525	M1O	03-357/00:56:26.3		NOTE: Periapsis 8971 ----------		03-357/00:47:51.1
2526	M1O	03-357/01:23:43.0		NOTE: Enter Solar Eclipse 8971		03-357/01:15:07.7
2527	M1O	03-357/01:24:08.8		NOTE: Ascending Node Crossing 8971		03-357/01:15:33.5
2528	M1O	03-357/01:43:45.3		NOTE: ENTER HGA KEEP OUT ZONE		
2529	M1O	03-357/01:46:12.7		NOTE: Exit Solar Eclipse 8971		03-357/01:37:37.3
2530	M1O	03-357/01:51:37.1		NOTE: Enter Planetary Atmosphere 8971		03-357/01:43:01.7
2531	M1O	03-357/01:53:01.1		NOTE: Enter Earth Occultation 8971		03-357/01:44:25.7
2532	M1O	03-357/01:54:03.5		NOTE: North Pole Crossing 8971		03-357/01:45:28.1
2533	M1O	03-357/01:56:24.2		NOTE: Apoapsis 8971 -		03-357/01:47:48.8
2534	M1O	03-357/02:06:05.4		NOTE: EXIT HGA KEEP OUT ZONE		
2535	M1O	03-357/02:13:35.6		NOTE: Exit Earth Occultation 8971		03-357/02:05:00.1
2536	M1O	03-357/02:14:35.3		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-357/02:05:59.9
2537	M1O	03-357/02:14:35.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-357/02:06:00.0
2538	M1O	03-357/02:14:36.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-357/02:06:01.0
2539	M1O	03-357/02:14:37.4		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-357/02:06:02.0
2540	M1O	03-357/02:14:38.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-357/02:06:03.0
2541	M1O	03-357/02:14:39.4		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-357/02:06:04.0
2542	M1O	03-357/02:14:49.4		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-357/02:06:14.0
2543	M1O	03-357/02:14:59.4		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-357/02:06:24.0
2544	M1O	03-357/02:15:00.0	15	Begin Tracking		
2545	M1O	03-357/02:15:00.0	15	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2546	M1O	03-357/02:15:00.3		NOTE: Changing to 34M (HEF) downlink rate: 66360_BPS		03-357/02:06:24.9
2547	M1O	03-357/02:15:00.3		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 66360_BPS	DOWNLINK_RATE	03-357/02:06:24.9
2548	M1O	03-357/02:15:00.3	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2549	M1O	03-357/02:15:00.5		NOTE: Exit Planetary Atmosphere 8971		03-357/02:06:25.1
2550	M1O	03-357/02:19:59.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-357/02:11:24.0
2551	M1O	03-357/02:20:00.4		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	03-357/02:11:25.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
2552	M1O	03-357/02:20:00.4	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2553	M1O	03-357/02:20:01.4		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-357/02:11:26.0
2554	M1O	03-357/02:24:01.8		NOTE: Descending Node Crossing 8972		03-357/02:15:26.3
2555	M1O	03-357/02:53:24.0		NOTE: South Pole Crossing 8972		03-357/02:44:48.5
2556	M1O	03-357/02:55:01.0		NOTE: Periapsis 8972 ----------		03-357/02:46:25.4
2557	M1O	03-357/03:22:14.9		NOTE: Enter Solar Eclipse 8972		03-357/03:13:39.3
2558	M1O	03-357/03:22:42.6		NOTE: Ascending Node Crossing 8972		03-357/03:14:07.0
2559	M1O	03-357/03:41:19.7		SPAWN, Engine = 65535, Parameters = 3, 00:35:49.644, 1	dpt	03-357/03:32:44.0
2560	M1O	03-357/03:41:21.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-357/03:32:46.1
2561	M1O	03-357/03:41:21.8	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2562	M1O	03-357/03:41:22.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-357/03:32:47.1
2563	M1O	03-357/03:42:21.7		NOTE: ENTER HGA KEEP OUT ZONE		
2564	M1O	03-357/03:42:21.7	15	NOTE: Loss Of X-Band Signal		
2565	M1O	03-357/03:44:48.5		NOTE: Exit Solar Eclipse 8972		03-357/03:36:12.8
2566	M1O	03-357/03:50:07.6		NOTE: Enter Planetary Atmosphere 8972		03-357/03:41:31.8
2567	M1O	03-357/03:51:31.2		NOTE: Enter Earth Occultation 8972		03-357/03:42:55.5
2568	M1O	03-357/03:52:37.2		NOTE: North Pole Crossing 8972		03-357/03:44:01.5
2569	M1O	03-357/03:54:42.1		NOTE: Apoapsis 8972 -		03-357/03:46:06.4
2570	M1O	03-357/04:04:41.7		NOTE: EXIT HGA KEEP OUT ZONE		
2571	M1O	03-357/04:12:11.4		NOTE: Exit Earth Occultation 8972		03-357/04:03:35.6
2572	M1O	03-357/04:12:11.4	15	Acquisition Of X-Band Signal		
2573	M1O	03-357/04:12:11.4	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2574	M1O	03-357/04:13:36.1		NOTE: Exit Planetary Atmosphere 8972		03-357/04:05:00.3
2575	M1O	03-357/04:17:11.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-357/04:08:35.7
2576	M1O	03-357/04:17:11.5	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2577	M1O	03-357/04:17:12.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-357/04:08:36.7
2578	M1O	03-357/04:22:35.1		NOTE: Descending Node Crossing 8973		03-357/04:13:59.3
2579	M1O	03-357/04:35:35.8		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	03-357/04:27:00.0
2580	M1O	03-357/04:35:35.9		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-357/04:27:00.1
2581	M1O	03-357/04:35:36.9		Forces a desaturation of the reaction wheels.	RW_DESAT	03-357/04:27:01.1
2582	M1O	03-357/04:38:58.8		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-357/04:30:23.0
2583	M1O	03-357/04:39:14.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-355T04:30:23.100, 2003-357T04:30:23.100	PCKTS_RE_TX_TIME	03-357/04:30:38.8
2584	M1O	03-357/04:39:15.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-355T04:30:23.100, 2003-357T04:30:23.100	PCKTS_RE_TX_TIME	03-357/04:30:39.8
2585	M1O	03-357/04:39:16.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-355T04:30:23.100, 2003-357T04:30:23.100	PCKTS_RE_TX_TIME	03-357/04:30:40.8
2586	M1O	03-357/04:39:17.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-355T04:30:23.100, 2003-357T04:30:23.100	PCKTS_RE_TX_TIME	03-357/04:30:41.8
2587	M1O	03-357/04:39:18.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-355T04:30:23.100, 2003-357T04:30:23.100	PCKTS_RE_TX_TIME	03-357/04:30:42.8
2588	M1O	03-357/04:39:19.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-355T04:30:23.100, 2003-357T04:30:23.100	PCKTS_RE_TX_TIME	03-357/04:30:43.8
2589	M1O	03-357/04:39:19.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-357/04:30:43.8
2590	M1O	03-357/04:39:19.6	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2591	M1O	03-357/04:46:20.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-357/04:37:44.8
2592	M1O	03-357/04:46:20.7	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2593	M1O	03-357/04:46:21.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-357/04:37:45.8
2594	M1O	03-357/04:46:37.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-357/04:38:01.8
2595	M1O	03-357/04:46:37.7	15	D/L RF Warning: SC antenna change - expect signal level variation		
2596	M1O	03-357/04:46:38.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-357/04:38:02.8
2597	M1O	03-357/04:47:07.0		CALL, Engine = , Parameters = FALSE	park_hga	03-357/04:38:31.1
2598	M1O	03-357/04:47:07.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-357/04:38:31.1
2599	M1O	03-357/04:47:08.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-357/04:38:32.1
2600	M1O	03-357/04:47:09.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-357/04:38:33.1
2601	M1O	03-357/04:47:09.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-357/04:38:33.1
2602	M1O	03-357/04:47:09.0		NOTE: START HGA PARK		
2603	M1O	03-357/04:47:09.0	15	NOTE: Loss Of X-Band Signal		
2604	M1O	03-357/04:47:10.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-357/04:38:34.1
2605	M1O	03-357/04:47:11.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-357/04:38:35.1
2606	M1O	03-357/04:51:41.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	03-357/04:43:05.1
2607	M1O	03-357/04:51:56.3		NOTE: South Pole Crossing 8973		03-357/04:43:20.4
2608	M1O	03-357/04:53:11.3		NOTE: Periapsis 8973 ----------		03-357/04:44:35.3
2609	M1O	03-357/04:55:11.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-357/04:46:35.1
2610	M1O	03-357/04:55:11.0		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-357/04:46:35.1
2611	M1O	03-357/05:00:00.0	43	Begin Pre-Cal		
2612	M1O	03-357/05:00:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
2613	M1O	03-357/05:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
2614	M1O	03-357/05:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
2615	M1O	03-357/05:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
2616	M1O	03-357/05:00:00.0	43	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
2617	M1O	03-357/05:00:00.0	43	Config: RCV: Parms:		
2618	M1O	03-357/05:00:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
2619	M1O	03-357/05:00:00.0	43	Config: TGC: BAND=X, SR=132720.000000		
2620	M1O	03-357/05:00:00.0	43	Config: TXL		
2621	M1O	03-357/05:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
2622	M1O	03-357/05:00:00.0	43	Config: CMD		
2623	M1O	03-357/05:00:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
2624	M1O	03-357/05:20:46.7		NOTE: Enter Solar Eclipse 8973		03-357/05:12:10.7
2625	M1O	03-357/05:21:14.5		NOTE: Ascending Node Crossing 8973		03-357/05:12:38.5
2626	M1O	03-357/05:25:11.0		GV: GV_DESAT_ACTIVE = 1		03-357/05:16:35.0
2627	M1O	03-357/05:25:12.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	03-357/05:16:36.0
2628	M1O	03-357/05:25:12.0		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-357/05:16:36.0
2629	M1O	03-357/05:35:11.0		GV: GV_DESAT_ACTIVE = 0		03-357/05:26:35.0
2630	M1O	03-357/05:35:12.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	03-357/05:26:36.0
2631	M1O	03-357/05:35:13.0		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-357/05:26:37.0
2632	M1O	03-357/05:35:14.0		CALL, Engine = , Parameters =	unpark_hga	03-357/05:26:38.0
2633	M1O	03-357/05:35:14.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-357/05:26:38.0
2634	M1O	03-357/05:35:15.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-357/05:26:39.0
2635	M1O	03-357/05:39:45.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	03-357/05:31:09.0
2636	M1O	03-357/05:39:46.0		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	03-357/05:31:10.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2637	M1O	03-357/05:40:55.0		NOTE: ENTER HGA KEEP OUT ZONE		
2638	M1O	03-357/05:43:21.5		NOTE: Exit Solar Eclipse 8973		03-357/05:34:45.4
2639	M1O	03-357/05:43:46.0		NOTE: EXIT HGA PARK		
2640	M1O	03-357/05:48:36.2		NOTE: Enter Planetary Atmosphere 8973		03-357/05:40:00.1
2641	M1O	03-357/05:49:59.6		NOTE: Enter Earth Occultation 8973		03-357/05:41:23.5
2642	M1O	03-357/05:51:08.5		NOTE: North Pole Crossing 8973		03-357/05:42:32.4
2643	M1O	03-357/05:52:58.3		NOTE: Apoapsis 8973 -		03-357/05:44:22.2
2644	M1O	03-357/06:03:15.1		NOTE: EXIT HGA KEEP OUT ZONE		
2645	M1O	03-357/06:10:18.2		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-357/06:01:42.0
2646	M1O	03-357/06:10:18.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-357/06:01:42.1
2647	M1O	03-357/06:10:19.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-357/06:01:43.1
2648	M1O	03-357/06:10:20.3		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-357/06:01:44.1
2649	M1O	03-357/06:10:21.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-357/06:01:45.1
2650	M1O	03-357/06:10:22.3		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-357/06:01:46.1
2651	M1O	03-357/06:10:32.3		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-357/06:01:56.1
2652	M1O	03-357/06:10:42.3		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-357/06:02:06.1
2653	M1O	03-357/06:10:43.2		NOTE: Exit Earth Occultation 8973		03-357/06:02:07.0
2654	M1O	03-357/06:10:43.2	15	Acquisition Of X-Band Signal		
2655	M1O	03-357/06:10:43.2	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2656	M1O	03-357/06:12:07.6		NOTE: Exit Planetary Atmosphere 8973		03-357/06:03:31.5
2657	M1O	03-357/06:15:42.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-357/06:07:06.1
2658	M1O	03-357/06:15:43.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-357/06:07:07.1
2659	M1O	03-357/06:15:43.3	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2660	M1O	03-357/06:15:44.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-357/06:07:08.1
2661	M1O	03-357/06:21:05.4		NOTE: Descending Node Crossing 8974		03-357/06:12:29.2
2662	M1O	03-357/06:28:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-357/06:20:21.8
2663	M1O	03-357/06:29:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-357/06:20:23.9
2664	M1O	03-357/06:29:00.1	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2665	M1O	03-357/06:29:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-357/06:20:24.9
2666	M1O	03-357/06:30:00.0	43	Begin Tracking		
2667	M1O	03-357/06:30:00.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2668	M1O	03-357/06:30:00.0		NOTE: Changing to 70M downlink rate: 110600_BPS		03-357/06:21:23.8
2669	M1O	03-357/06:30:00.0		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	03-357/06:21:23.8
2670	M1O	03-357/06:30:00.0	15	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2671	M1O	03-357/06:30:00.0	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2672	M1O	03-357/06:31:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2673	M1O	03-357/06:35:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-357/06:26:23.9
2674	M1O	03-357/06:35:00.1	15	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2675	M1O	03-357/06:35:00.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2676	M1O	03-357/06:35:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-357/06:26:24.9
2677	M1O	03-357/06:36:00.0	43	Range Modulation On: SUP=3.0dB		
2678	M1O	03-357/06:37:00.0	43	Begin Ranging Acquisition		
2679	M1O	03-357/06:47:10.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-357/06:38:34.0
2680	M1O	03-357/06:47:12.4		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	03-357/06:38:36.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
2681	M1O	03-357/06:47:12.4	15	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2682	M1O	03-357/06:47:12.4	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2683	M1O	03-357/06:47:13.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-357/06:38:37.1
2684	M1O	03-357/06:48:12.4	15	Acquire D/L: X/08, 3-Way/43, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2685	M1O	03-357/06:48:12.4	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2686	M1O	03-357/06:50:27.1		NOTE: South Pole Crossing 8974		03-357/06:41:50.8
2687	M1O	03-357/06:51:30.3		NOTE: Periapsis 8974 ----------		03-357/06:42:54.0
2688	M1O	03-357/06:53:12.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-357/06:44:36.1
2689	M1O	03-357/06:53:12.4	15	D/L Change: X/08, 3-Way/43, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2690	M1O	03-357/06:53:12.4	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2691	M1O	03-357/06:53:13.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-357/06:44:37.1
2692	M1O	03-357/07:07:11.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
2693	M1O	03-357/07:08:36.3		SPAWN, Engine = 65535, Parameters =	scdiag	03-357/07:00:00.0
2694	M1O	03-357/07:08:37.4		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	03-357/07:00:01.1
2695	M1O	03-357/07:08:38.4		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	03-357/07:00:02.1
2696	M1O	03-357/07:09:39.3		SPAWN, Engine = 65535, Parameters = WEEKLY	fsw_diag	03-357/07:01:03.0
2697	M1O	03-357/07:09:39.5		NOTE: Start Block fsw_diag		03-357/07:01:03.2
2698	M1O	03-357/07:09:40.5		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D53,0x686F7720,0x313B6368,0x65636B53,0x7461636B,0x3B690000,0x0000,0x0000,0x0000, 0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000]	FSW_VX_CMD	03-357/07:01:04.2
2699	M1O	03-357/07:09:41.5		Creates a non-channelized telemetry packet for APID 7.: d:/	FILE_SYS_STATUS	03-357/07:01:05.2
2700	M1O	03-357/07:09:52.5		NOTE: End Block fsw_diag.mod		03-357/07:01:16.2
2701	M1O	03-357/07:09:54.0	15	NOTE: Below Uplink Interlock Limit		
2702	M1O	03-357/07:10:52.3		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-357/07:02:16.0
2703	M1O	03-357/07:10:52.5		NOTE: Start Block fsw_diag		03-357/07:02:16.2
2704	M1O	03-357/07:10:53.5		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	03-357/07:02:17.2
2705	M1O	03-357/07:10:54.5		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	03-357/07:02:18.2
2706	M1O	03-357/07:11:05.5		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	03-357/07:02:29.2
2707	M1O	03-357/07:11:35.5		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	03-357/07:02:59.2
2708	M1O	03-357/07:11:55.5		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	03-357/07:03:19.2
2709	M1O	03-357/07:12:05.5		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	03-357/07:03:29.2
2710	M1O	03-357/07:12:25.5		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	03-357/07:03:49.2
2711	M1O	03-357/07:12:35.5		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	03-357/07:03:59.2
2712	M1O	03-357/07:12:40.5		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	03-357/07:04:04.2
2713	M1O	03-357/07:12:45.5		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	03-357/07:04:09.2
2714	M1O	03-357/07:12:50.5		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	03-357/07:04:14.2
2715	M1O	03-357/07:12:55.5		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	03-357/07:04:19.2
2716	M1O	03-357/07:13:00.5		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	03-357/07:04:24.2
2717	M1O	03-357/07:13:40.5		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	03-357/07:05:04.2
2718	M1O	03-357/07:13:45.5		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	03-357/07:05:09.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2719	M1O	03-357/07:13:50.5		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	03-357/07:05:14.2
2720	M1O	03-357/07:13:55.5		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	03-357/07:05:19.2
2721	M1O	03-357/07:14:00.5		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	03-357/07:05:24.2
2722	M1O	03-357/07:14:01.5		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	03-357/07:05:25.2
2723	M1O	03-357/07:14:02.5		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	03-357/07:05:26.2
2724	M1O	03-357/07:14:03.5		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-357/07:05:27.2
2725	M1O	03-357/07:14:14.5		NOTE: End Block fsw_diag.mod		03-357/07:05:38.2
2726	M1O	03-357/07:17:11.0	43	Range Modulation Off		
2727	M1O	03-357/07:19:19.8		NOTE: Enter Solar Eclipse 8974		03-357/07:10:43.4
2728	M1O	03-357/07:19:46.4		NOTE: Ascending Node Crossing 8974		03-357/07:11:10.1
2729	M1O	03-357/07:20:00.0	15	End Tracking		
2730	M1O	03-357/07:22:11.0	43	X-Band Transmitter Off		
2731	M1O	03-357/07:35:00.0	15	End Post-Cal		
2732	M1O	03-357/07:38:21.4		SPAWN, Engine = 65535, Parameters = 3, 00:36:20, 1	dpt	03-357/07:29:45.0
2733	M1O	03-357/07:38:23.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-357/07:29:47.1
2734	M1O	03-357/07:38:23.5	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2735	M1O	03-357/07:38:24.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-357/07:29:48.1
2736	M1O	03-357/07:39:23.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2737	M1O	03-357/07:39:25.4		NOTE: ENTER HGA KEEP OUT ZONE		
2738	M1O	03-357/07:39:25.4	43	NOTE: Loss Of X-Band Signal		
2739	M1O	03-357/07:41:50.1		NOTE: Exit Solar Eclipse 8974		03-357/07:33:13.7
2740	M1O	03-357/07:47:11.8		NOTE: Enter Planetary Atmosphere 8974		03-357/07:38:35.4
2741	M1O	03-357/07:48:35.8		NOTE: Enter Earth Occultation 8974		03-357/07:39:59.3
2742	M1O	03-357/07:49:40.8		NOTE: North Pole Crossing 8974		03-357/07:41:04.3
2743	M1O	03-357/07:51:36.9		NOTE: Apoapsis 8974 -		03-357/07:43:00.4
2744	M1O	03-357/07:52:31.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2745	M1O	03-357/07:57:31.0	43	Range Modulation On: SUP=3.0dB		
2746	M1O	03-357/07:58:31.0	43	Begin Ranging Acquisition		
2747	M1O	03-357/08:01:45.4		NOTE: EXIT HGA KEEP OUT ZONE		
2748	M1O	03-357/08:09:12.2		NOTE: Exit Earth Occultation 8974		03-357/08:00:35.7
2749	M1O	03-357/08:09:12.2	43	Acquisition Of X-Band Signal		
2750	M1O	03-357/08:09:12.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2751	M1O	03-357/08:09:43.9	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2752	M1O	03-357/08:10:37.1		NOTE: Exit Planetary Atmosphere 8974		03-357/08:02:00.6
2753	M1O	03-357/08:14:43.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-357/08:06:07.1
2754	M1O	03-357/08:14:43.6	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2755	M1O	03-357/08:14:44.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-357/08:06:08.1
2756	M1O	03-357/08:19:38.0		NOTE: Descending Node Crossing 8975		03-357/08:11:01.4
2757	M1O	03-357/08:49:00.5		NOTE: South Pole Crossing 8975		03-357/08:40:23.8
2758	M1O	03-357/08:50:07.2		NOTE: Periapsis 8975 ----------		03-357/08:41:30.6
2759	M1O	03-357/09:05:43.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
2760	M1O	03-357/09:15:43.0	43	Range Modulation Off		
2761	M1O	03-357/09:17:54.3		NOTE: Enter Solar Eclipse 8975		03-357/09:09:17.6
2762	M1O	03-357/09:18:20.6		NOTE: Ascending Node Crossing 8975		03-357/09:09:43.9
2763	M1O	03-357/09:20:43.0	43	X-Band Transmitter Off		
2764	M1O	03-357/09:36:53.8		SPAWN, Engine = 65535, Parameters = 3, 00:36:20, 1	dpt	03-357/09:28:17.0
2765	M1O	03-357/09:36:55.9		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	03-357/09:28:19.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
2766	M1O	03-357/09:36:55.9	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2767	M1O	03-357/09:36:56.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-357/09:28:20.1
2768	M1O	03-357/09:37:56.4	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2769	M1O	03-357/09:37:57.7		NOTE: ENTER HGA KEEP OUT ZONE		
2770	M1O	03-357/09:37:57.7	43	NOTE: Loss Of X-Band Signal		
2771	M1O	03-357/09:40:19.7		NOTE: Exit Solar Eclipse 8975		03-357/09:31:42.9
2772	M1O	03-357/09:45:52.7		NOTE: Enter Planetary Atmosphere 8975		03-357/09:37:15.9
2773	M1O	03-357/09:47:17.2		NOTE: Enter Earth Occultation 8975		03-357/09:38:40.4
2774	M1O	03-357/09:48:16.2		NOTE: North Pole Crossing 8975		03-357/09:39:39.4
2775	M1O	03-357/09:50:12.1		NOTE: Apoapsis 8975 -		03-357/09:41:35.3
2776	M1O	03-357/09:51:03.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2777	M1O	03-357/09:56:03.0	43	Range Modulation On: SUP=3.0dB		
2778	M1O	03-357/09:57:03.0	43	Begin Ranging Acquisition		
2779	M1O	03-357/09:57:46.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
2780	M1O	03-357/10:00:17.8		NOTE: EXIT HGA KEEP OUT ZONE		
2781	M1O	03-357/10:07:44.3		NOTE: Exit Earth Occultation 8975		03-357/09:59:07.5
2782	M1O	03-357/10:07:44.3	43	Acquisition Of X-Band Signal		
2783	M1O	03-357/10:07:44.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2784	M1O	03-357/10:07:46.0	43	Range Modulation Off		
2785	M1O	03-357/10:08:16.6	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2786	M1O	03-357/10:09:09.9		NOTE: Exit Planetary Atmosphere 8975		03-357/10:00:33.0
2787	M1O	03-357/10:12:46.0	43	X-Band Transmitter Off		
2788	M1O	03-357/10:12:46.1	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
2789	M1O	03-357/10:13:16.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-357/10:04:39.1
2790	M1O	03-357/10:13:16.0	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2791	M1O	03-357/10:13:17.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-357/10:04:40.1
2792	M1O	03-357/10:18:14.9		NOTE: Descending Node Crossing 8976		03-357/10:09:37.9
2793	M1O	03-357/10:21:48.9		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-357/10:13:12.0
2794	M1O	03-357/10:22:04.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-355T10:13:12.100, 2003-357T10:13:12.100	PCKTS_RE_TX_TIME	03-357/10:13:27.8
2795	M1O	03-357/10:22:05.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-355T10:13:12.100, 2003-357T10:13:12.100	PCKTS_RE_TX_TIME	03-357/10:13:28.8
2796	M1O	03-357/10:22:06.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-355T10:13:12.100, 2003-357T10:13:12.100	PCKTS_RE_TX_TIME	03-357/10:13:29.8
2797	M1O	03-357/10:22:07.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-355T10:13:12.100, 2003-357T10:13:12.100	PCKTS_RE_TX_TIME	03-357/10:13:30.8
2798	M1O	03-357/10:22:08.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-355T10:13:12.100, 2003-357T10:13:12.100	PCKTS_RE_TX_TIME	03-357/10:13:31.8
2799	M1O	03-357/10:22:09.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-355T10:13:12.100, 2003-357T10:13:12.100	PCKTS_RE_TX_TIME	03-357/10:13:32.8
2800	M1O	03-357/10:22:09.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-357/10:13:32.8
2801	M1O	03-357/10:22:09.7	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2802	M1O	03-357/10:29:10.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-357/10:20:33.8
2803	M1O	03-357/10:29:10.7	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2804	M1O	03-357/10:29:11.7		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	03-357/10:20:34.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
2805	M1O	03-357/10:29:27.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-357/10:20:50.8
2806	M1O	03-357/10:29:27.7	43	D/L RF Warning: SC antenna change - expect signal level variation		
2807	M1O	03-357/10:29:28.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-357/10:20:51.8
2808	M1O	03-357/10:29:59.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2809	M1O	03-357/10:30:00.0	43	End Tracking		
2810	M1O	03-357/10:45:00.0	43	End Post-Cal		
2811	M1O	03-357/10:47:37.3		NOTE: South Pole Crossing 8976		03-357/10:39:00.3
2812	M1O	03-357/10:48:49.2		NOTE: Periapsis 8976 ----------		03-357/10:40:12.2
2813	M1O	03-357/11:16:30.0		NOTE: Enter Solar Eclipse 8976		03-357/11:07:52.9
2814	M1O	03-357/11:16:56.9		NOTE: Ascending Node Crossing 8976		03-357/11:08:19.9
2815	M1O	03-357/11:36:35.1		NOTE: ENTER HGA KEEP OUT ZONE		
2816	M1O	03-357/11:38:53.9		NOTE: Exit Solar Eclipse 8976		03-357/11:30:16.7
2817	M1O	03-357/11:44:31.1		NOTE: Enter Planetary Atmosphere 8976		03-357/11:35:54.0
2818	M1O	03-357/11:45:55.8		NOTE: Enter Earth Occultation 8976		03-357/11:37:18.6
2819	M1O	03-357/11:46:53.0		NOTE: North Pole Crossing 8976		03-357/11:38:15.8
2820	M1O	03-357/11:48:39.9		NOTE: Apoapsis 8976 -		03-357/11:40:02.7
2821	M1O	03-357/11:58:55.2		NOTE: EXIT HGA KEEP OUT ZONE		
2822	M1O	03-357/12:00:00.0	65	Begin Pre-Cal		
2823	M1O	03-357/12:00:00.0	65	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
2824	M1O	03-357/12:00:00.0	65	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
2825	M1O	03-357/12:00:00.0	65	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
2826	M1O	03-357/12:00:00.0	65	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
2827	M1O	03-357/12:00:00.0	65	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
2828	M1O	03-357/12:00:00.0	65	Config: RCV: Parms:		
2829	M1O	03-357/12:00:00.0	65	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
2830	M1O	03-357/12:00:00.0	65	Config: TGC: BAND=X, SR=221200.000000		
2831	M1O	03-357/12:00:00.0	65	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
2832	M1O	03-357/12:06:20.4		NOTE: Exit Earth Occultation 8976		03-357/11:57:43.1
2833	M1O	03-357/12:07:46.1		NOTE: Exit Planetary Atmosphere 8976		03-357/11:59:08.8
2834	M1O	03-357/12:16:52.1		NOTE: Descending Node Crossing 8977		03-357/12:08:14.8
2835	M1O	03-357/12:46:14.5		NOTE: South Pole Crossing 8977		03-357/12:37:37.2
2836	M1O	03-357/12:47:22.4		NOTE: Periapsis 8977 ----------		03-357/12:38:45.0
2837	M1O	03-357/13:14:35.1		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-357/13:05:57.7
2838	M1O	03-357/13:14:35.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-357/13:05:57.8
2839	M1O	03-357/13:14:36.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-357/13:05:58.8
2840	M1O	03-357/13:14:37.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-357/13:05:59.8
2841	M1O	03-357/13:14:38.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-357/13:06:00.8
2842	M1O	03-357/13:14:39.2		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-357/13:06:01.8
2843	M1O	03-357/13:14:49.3		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-357/13:06:11.8
2844	M1O	03-357/13:14:59.3		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-357/13:06:21.8
2845	M1O	03-357/13:15:00.0	65	Begin Tracking		
2846	M1O	03-357/13:15:00.0	65	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2847	M1O	03-357/13:15:00.2		NOTE: Changing to 34M (HEF) downlink rate: 66360_BPS		03-357/13:06:22.7
2848	M1O	03-357/13:15:00.2		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 66360_BPS	DOWNLINK_RATE	03-357/13:06:22.7
2849	M1O	03-357/13:15:00.2	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2850	M1O	03-357/13:15:06.8		NOTE: Enter Solar Eclipse 8977		03-357/13:06:29.3
2851	M1O	03-357/13:15:34.0		NOTE: Ascending Node Crossing 8977		03-357/13:06:56.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2852	M1O	03-357/13:19:59.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-357/13:11:21.8
2853	M1O	03-357/13:20:00.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-357/13:11:22.8
2854	M1O	03-357/13:20:00.3	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2855	M1O	03-357/13:20:01.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-357/13:11:23.8
2856	M1O	03-357/13:34:10.4		SPAWN, Engine = 65535, Parameters = 3, 00:35:45.554, 1	dpt	03-357/13:25:33.0
2857	M1O	03-357/13:34:12.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-357/13:25:35.1
2858	M1O	03-357/13:34:12.5	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2859	M1O	03-357/13:34:13.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-357/13:25:36.1
2860	M1O	03-357/13:35:12.5		NOTE: ENTER HGA KEEP OUT ZONE		
2861	M1O	03-357/13:35:12.5	65	NOTE: Loss Of X-Band Signal		
2862	M1O	03-357/13:37:31.7		NOTE: Exit Solar Eclipse 8977		03-357/13:28:54.2
2863	M1O	03-357/13:43:05.1		NOTE: Enter Planetary Atmosphere 8977		03-357/13:34:27.6
2864	M1O	03-357/13:44:29.5		NOTE: Enter Earth Occultation 8977		03-357/13:35:51.9
2865	M1O	03-357/13:45:29.5		NOTE: North Pole Crossing 8977		03-357/13:36:51.9
2866	M1O	03-357/13:47:01.1		NOTE: Apoapsis 8977 -		03-357/13:38:23.6
2867	M1O	03-357/13:57:32.5		NOTE: EXIT HGA KEEP OUT ZONE		
2868	M1O	03-357/14:04:58.1		NOTE: Exit Earth Occultation 8977		03-357/13:56:20.5
2869	M1O	03-357/14:04:58.1	65	Acquisition Of X-Band Signal		
2870	M1O	03-357/14:04:58.1	65	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2871	M1O	03-357/14:06:23.5		NOTE: Exit Planetary Atmosphere 8977		03-357/13:57:45.9
2872	M1O	03-357/14:09:58.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-357/14:01:20.6
2873	M1O	03-357/14:09:58.2	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2874	M1O	03-357/14:09:59.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-357/14:01:21.6
2875	M1O	03-357/14:15:27.7		NOTE: Descending Node Crossing 8978		03-357/14:06:50.1
2876	M1O	03-357/14:44:50.2		NOTE: South Pole Crossing 8978		03-357/14:36:12.5
2877	M1O	03-357/14:46:00.6		NOTE: Periapsis 8978 ----------		03-357/14:37:22.9
2878	M1O	03-357/15:13:41.7		NOTE: Enter Solar Eclipse 8978		03-357/15:05:03.9
2879	M1O	03-357/15:14:09.6		NOTE: Ascending Node Crossing 8978		03-357/15:05:31.8
2880	M1O	03-357/15:32:45.8		SPAWN, Engine = 65535, Parameters = 3, 00:35:46.493, 1	dpt	03-357/15:24:08.0
2881	M1O	03-357/15:32:47.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-357/15:24:10.1
2882	M1O	03-357/15:32:47.9	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2883	M1O	03-357/15:32:48.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-357/15:24:11.1
2884	M1O	03-357/15:33:47.8		NOTE: ENTER HGA KEEP OUT ZONE		
2885	M1O	03-357/15:33:47.8	65	NOTE: Loss Of X-Band Signal		
2886	M1O	03-357/15:36:10.1		NOTE: Exit Solar Eclipse 8978		03-357/15:27:32.2
2887	M1O	03-357/15:41:34.5		NOTE: Enter Planetary Atmosphere 8978		03-357/15:32:56.7
2888	M1O	03-357/15:42:58.5		NOTE: Enter Earth Occultation 8978		03-357/15:34:20.6
2889	M1O	03-357/15:44:03.9		NOTE: North Pole Crossing 8978		03-357/15:35:26.0
2890	M1O	03-357/15:45:39.5		NOTE: Apoapsis 8978 -		03-357/15:37:01.6
2891	M1O	03-357/15:56:07.9		NOTE: EXIT HGA KEEP OUT ZONE		
2892	M1O	03-357/16:03:34.4		NOTE: Exit Earth Occultation 8978		03-357/15:54:56.4
2893	M1O	03-357/16:03:34.4	65	Acquisition Of X-Band Signal		
2894	M1O	03-357/16:03:34.4	65	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2895	M1O	03-357/16:04:59.3		NOTE: Exit Planetary Atmosphere 8978		03-357/15:56:21.3
2896	M1O	03-357/16:08:34.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-357/15:59:56.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2897	M1O	03-357/16:08:34.5	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2898	M1O	03-357/16:08:35.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-357/15:59:57.5
2899	M1O	03-357/16:14:00.9		NOTE: Descending Node Crossing 8979		03-357/16:05:22.9
2900	M1O	03-357/16:43:22.9		NOTE: South Pole Crossing 8979		03-357/16:34:44.9
2901	M1O	03-357/16:44:35.7		NOTE: Periapsis 8979 ----------		03-357/16:35:57.6
2902	M1O	03-357/17:12:13.3		NOTE: Enter Solar Eclipse 8979		03-357/17:03:35.1
2903	M1O	03-357/17:12:42.0		NOTE: Ascending Node Crossing 8979		03-357/17:04:03.9
2904	M1O	03-357/17:31:19.2		SPAWN, Engine = 65535, Parameters = 3, 00:35:44.585, 1	dpt	03-357/17:22:41.0
2905	M1O	03-357/17:31:21.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-357/17:22:43.1
2906	M1O	03-357/17:31:21.3	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2907	M1O	03-357/17:31:22.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-357/17:22:44.1
2908	M1O	03-357/17:32:21.2		NOTE: ENTER HGA KEEP OUT ZONE		
2909	M1O	03-357/17:32:21.2	65	NOTE: Loss Of X-Band Signal		
2910	M1O	03-357/17:34:43.9		NOTE: Exit Solar Eclipse 8979		03-357/17:26:05.7
2911	M1O	03-357/17:40:04.0		NOTE: Enter Planetary Atmosphere 8979		03-357/17:31:25.7
2912	M1O	03-357/17:41:27.7		NOTE: Enter Earth Occultation 8979		03-357/17:32:49.5
2913	M1O	03-357/17:42:35.9		NOTE: North Pole Crossing 8979		03-357/17:33:57.7
2914	M1O	03-357/17:44:24.6		NOTE: Apoapsis 8979 -		03-357/17:35:46.4
2915	M1O	03-357/17:54:41.2		NOTE: EXIT HGA KEEP OUT ZONE		
2916	M1O	03-357/18:02:06.9		NOTE: Exit Earth Occultation 8979		03-357/17:53:28.6
2917	M1O	03-357/18:02:06.9	65	Acquisition Of X-Band Signal		
2918	M1O	03-357/18:02:06.9	65	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2919	M1O	03-357/18:03:31.7		NOTE: Exit Planetary Atmosphere 8979		03-357/17:54:53.4
2920	M1O	03-357/18:07:06.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-357/17:58:27.6
2921	M1O	03-357/18:07:06.0	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2922	M1O	03-357/18:07:07.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-357/17:58:28.6
2923	M1O	03-357/18:12:32.6		NOTE: Descending Node Crossing 8980		03-357/18:03:54.3
2924	M1O	03-357/18:41:53.8		NOTE: South Pole Crossing 8980		03-357/18:33:15.3
2925	M1O	03-357/18:42:54.6		NOTE: Periapsis 8980 ----------		03-357/18:34:16.1
2926	M1O	03-357/19:10:44.2		NOTE: Enter Solar Eclipse 8980		03-357/19:02:05.7
2927	M1O	03-357/19:11:12.4		NOTE: Ascending Node Crossing 8980		03-357/19:02:33.9
2928	M1O	03-357/19:29:50.5		SPAWN, Engine = 65535, Parameters = 3, 00:35:43.843, 1	dpt	03-357/19:21:12.0
2929	M1O	03-357/19:29:52.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-357/19:21:14.1
2930	M1O	03-357/19:29:52.6	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2931	M1O	03-357/19:29:53.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-357/19:21:15.1
2932	M1O	03-357/19:30:52.5		NOTE: ENTER HGA KEEP OUT ZONE		
2933	M1O	03-357/19:30:52.5	65	NOTE: Loss Of X-Band Signal		
2934	M1O	03-357/19:33:11.0		NOTE: Exit Solar Eclipse 8980		03-357/19:24:32.4
2935	M1O	03-357/19:38:39.1		NOTE: Enter Planetary Atmosphere 8980		03-357/19:30:00.5
2936	M1O	03-357/19:40:03.2		NOTE: Enter Earth Occultation 8980		03-357/19:31:24.6
2937	M1O	03-357/19:41:07.4		NOTE: North Pole Crossing 8980		03-357/19:32:28.8
2938	M1O	03-357/19:42:36.3		NOTE: Apoapsis 8980 -		03-357/19:33:57.7
2939	M1O	03-357/19:53:12.6		NOTE: EXIT HGA KEEP OUT ZONE		
2940	M1O	03-357/20:00:36.5		NOTE: Exit Earth Occultation 8980		03-357/19:51:57.8
2941	M1O	03-357/20:00:36.5	65	Acquisition Of X-Band Signal		
2942	M1O	03-357/20:00:36.5	65	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2943	M1O	03-357/20:02:01.6		NOTE: Exit Planetary Atmosphere 8980		03-357/19:53:23.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2944	M1O	03-357/20:05:36.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-357/19:56:57.9
2945	M1O	03-357/20:05:36.6	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2946	M1O	03-357/20:05:37.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-357/19:56:58.9
2947	M1O	03-357/20:11:05.1		NOTE: Descending Node Crossing 8981		03-357/20:02:26.4
2948	M1O	03-357/20:40:26.6		NOTE: South Pole Crossing 8981		03-357/20:31:47.8
2949	M1O	03-357/20:41:07.8		NOTE: Periapsis 8981 ----------		03-357/20:32:29.0
2950	M1O	03-357/21:00:00.0	24	Begin Pre-Cal		
2951	M1O	03-357/21:00:00.0	24	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
2952	M1O	03-357/21:00:00.0	24	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
2953	M1O	03-357/21:00:00.0	24	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
2954	M1O	03-357/21:00:00.0	24	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
2955	M1O	03-357/21:00:00.0	24	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
2956	M1O	03-357/21:00:00.0	24	Config: RCV: Parms:		
2957	M1O	03-357/21:00:00.0	24	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
2958	M1O	03-357/21:00:00.0	24	Config: TGC: BAND=X, SR=132720.000000		
2959	M1O	03-357/21:00:00.0	24	Config: TXL		
2960	M1O	03-357/21:00:00.0	24	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
2961	M1O	03-357/21:00:00.0	24	Config: CMD		
2962	M1O	03-357/21:00:00.0	24	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
2963	M1O	03-357/21:09:20.2		NOTE: Enter Solar Eclipse 8981		03-357/21:00:41.3
2964	M1O	03-357/21:09:46.2		NOTE: Ascending Node Crossing 8981		03-357/21:01:07.4
2965	M1O	03-357/21:28:22.9		SPAWN, Engine = 65535, Parameters = 3, 00:35:42.890, 1	dpt	03-357/21:19:44.0
2966	M1O	03-357/21:28:25.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-357/21:19:46.1
2967	M1O	03-357/21:28:25.0	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2968	M1O	03-357/21:28:26.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-357/21:19:47.1
2969	M1O	03-357/21:29:24.9		NOTE: ENTER HGA KEEP OUT ZONE		
2970	M1O	03-357/21:29:24.9	65	NOTE: Loss Of X-Band Signal		
2971	M1O	03-357/21:31:40.2		NOTE: Exit Solar Eclipse 8981		03-357/21:23:01.3
2972	M1O	03-357/21:37:18.4		NOTE: Enter Planetary Atmosphere 8981		03-357/21:28:39.4
2973	M1O	03-357/21:38:43.0		NOTE: Enter Earth Occultation 8981		03-357/21:30:04.1
2974	M1O	03-357/21:39:42.0		NOTE: North Pole Crossing 8981		03-357/21:31:03.1
2975	M1O	03-357/21:40:57.2		NOTE: Apoapsis 8981 -		03-357/21:32:18.2
2976	M1O	03-357/21:51:44.9		NOTE: EXIT HGA KEEP OUT ZONE		
2977	M1O	03-357/21:59:07.9		NOTE: Exit Earth Occultation 8981		03-357/21:50:28.8
2978	M1O	03-357/21:59:07.9	65	Acquisition Of X-Band Signal		
2979	M1O	03-357/21:59:07.9	65	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2980	M1O	03-357/22:00:33.6		NOTE: Exit Planetary Atmosphere 8981		03-357/21:51:54.5
2981	M1O	03-357/22:04:08.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-357/21:55:28.9
2982	M1O	03-357/22:04:08.0	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2983	M1O	03-357/22:04:09.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-357/21:55:29.9
2984	M1O	03-357/22:09:40.1		NOTE: Descending Node Crossing 8982		03-357/22:01:01.1
2985	M1O	03-357/22:30:00.0	24	Begin Tracking		
2986	M1O	03-357/22:30:00.0	24	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2987	M1O	03-357/22:31:00.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2988	M1O	03-357/22:36:00.0	24	Range Modulation On: SUP=3.0dB		
2989	M1O	03-357/22:37:00.0	24	Begin Ranging Acquisition		
2990	M1O	03-357/22:39:03.0		NOTE: South Pole Crossing 8982		03-357/22:30:23.9
2991	M1O	03-357/22:40:03.0		NOTE: Periapsis 8982 ----------		03-357/22:31:23.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2992	M1O	03-357/22:47:15.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-357/22:38:36.2
2993	M1O	03-357/22:47:17.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-357/22:38:38.3
2994	M1O	03-357/22:47:17.4	24	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2995	M1O	03-357/22:47:17.4	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2996	M1O	03-357/22:47:18.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-357/22:38:39.3
2997	M1O	03-357/22:48:18.2	24	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2998	M1O	03-357/22:48:18.2	65	Acquire D/L: X/08, 3-Way/24, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2999	M1O	03-357/22:53:17.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-357/22:44:38.3
3000	M1O	03-357/22:53:17.5	24	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3001	M1O	03-357/22:53:17.5	65	D/L Change: X/08, 3-Way/24, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3002	M1O	03-357/22:53:18.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-357/22:44:39.3
3003	M1O	03-357/22:55:41.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
3004	M1O	03-357/23:05:41.0	24	Range Modulation Off		
3005	M1O	03-357/23:07:57.3		NOTE: Enter Solar Eclipse 8982		03-357/22:59:18.0
3006	M1O	03-357/23:08:23.5		NOTE: Ascending Node Crossing 8982		03-357/22:59:44.3
3007	M1O	03-357/23:10:41.0	24	X-Band Transmitter Off		
3008	M1O	03-357/23:26:56.5		SPAWN, Engine = 65535, Parameters = 3, 00:36:15, 1	dpt	03-357/23:18:17.2
3009	M1O	03-357/23:26:58.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-357/23:18:19.3
3010	M1O	03-357/23:26:58.6	24	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3011	M1O	03-357/23:26:58.6	65	D/L Change: X/08, 3-Way/24, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3012	M1O	03-357/23:26:59.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-357/23:18:20.3
3013	M1O	03-357/23:27:59.4	24	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3014	M1O	03-357/23:27:59.4	65	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3015	M1O	03-357/23:28:00.2		NOTE: ENTER HGA KEEP OUT ZONE		
3016	M1O	03-357/23:28:00.2	24	NOTE: Loss Of X-Band Signal		
3017	M1O	03-357/23:28:00.2	65	NOTE: Loss Of X-Band Signal		
3018	M1O	03-357/23:30:15.9		NOTE: Exit Solar Eclipse 8982		03-357/23:21:36.6
3019	M1O	03-357/23:35:55.9		NOTE: Enter Planetary Atmosphere 8982		03-357/23:27:16.6
3020	M1O	03-357/23:36:27.0	65	NOTE: Below Uplink Interlock Limit		
3021	M1O	03-357/23:37:20.8		NOTE: Enter Earth Occultation 8982		03-357/23:28:41.4
3022	M1O	03-357/23:38:18.8		NOTE: North Pole Crossing 8982		03-357/23:29:39.4
3023	M1O	03-357/23:40:05.1		NOTE: Apoapsis 8982 -		03-357/23:31:25.8
3024	M1O	03-357/23:40:56.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3025	M1O	03-357/23:45:56.0	24	Range Modulation On: SUP=3.0dB		
3026	M1O	03-357/23:46:56.0	24	Begin Ranging Acquisition		
3027	M1O	03-357/23:50:00.0	65	End Tracking		
3028	M1O	03-357/23:50:01.0		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		03-357/23:41:21.6
3029	M1O	03-357/23:50:01.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	03-357/23:41:21.6
3030	M1O	03-357/23:50:20.3		NOTE: EXIT HGA KEEP OUT ZONE		
3031	M1O	03-357/23:57:42.3		NOTE: Exit Earth Occultation 8982		03-357/23:49:02.9
3032	M1O	03-357/23:57:42.3	24	Acquisition Of X-Band Signal		
3033	M1O	03-357/23:57:42.3	24	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3034	M1O	03-357/23:58:14.6	24	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3035	M1O	03-357/23:59:08.2		NOTE: Exit Planetary Atmosphere 8982		03-357/23:50:28.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3036	M1O	03-358/00:00:00.0		Light Time: OWLT = 08:39, RTLT = 17:18		
3037	M1O	03-358/00:03:13.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-357/23:54:34.3
3038	M1O	03-358/00:03:13.7	24	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3039	M1O	03-358/00:03:14.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-357/23:54:35.3
3040	M1O	03-358/00:05:00.0	65	End Post-Cal		
3041	M1O	03-358/00:08:16.9		NOTE: Descending Node Crossing 8983		03-357/23:59:37.5
3042	M1O	03-358/00:37:40.5		NOTE: South Pole Crossing 8983		03-358/00:29:01.0
3043	M1O	03-358/00:39:09.5		NOTE: Periapsis 8983 ----------		03-358/00:30:30.0
3044	M1O	03-358/00:54:36.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
3045	M1O	03-358/01:04:36.0	24	Range Modulation Off		
3046	M1O	03-358/01:06:32.6		NOTE: Enter Solar Eclipse 8983		03-358/00:57:53.1
3047	M1O	03-358/01:07:00.7		NOTE: Ascending Node Crossing 8983		03-358/00:58:21.1
3048	M1O	03-358/01:09:36.0	24	X-Band Transmitter Off		
3049	M1O	03-358/01:25:52.9		SPAWN, Engine = 65535, Parameters = 3, 00:35:55, 1	dpt	03-358/01:17:13.3
3050	M1O	03-358/01:25:55.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-358/01:17:15.4
3051	M1O	03-358/01:25:55.0	24	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3052	M1O	03-358/01:25:56.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-358/01:17:16.4
3053	M1O	03-358/01:26:55.1	24	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3054	M1O	03-358/01:26:56.6		NOTE: ENTER HGA KEEP OUT ZONE		
3055	M1O	03-358/01:26:56.6	24	NOTE: Loss Of X-Band Signal		
3056	M1O	03-358/01:28:53.2		NOTE: Exit Solar Eclipse 8983		03-358/01:20:13.5
3057	M1O	03-358/01:34:31.8		NOTE: Enter Planetary Atmosphere 8983		03-358/01:25:52.1
3058	M1O	03-358/01:35:56.7		NOTE: Enter Earth Occultation 8983		03-358/01:27:17.0
3059	M1O	03-358/01:36:55.6		NOTE: North Pole Crossing 8983		03-358/01:28:16.0
3060	M1O	03-358/01:39:13.1		NOTE: Apoapsis 8983 -		03-358/01:30:33.4
3061	M1O	03-358/01:39:31.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3062	M1O	03-358/01:44:31.0	24	Range Modulation On: SUP=3.0dB		
3063	M1O	03-358/01:45:31.0	24	Begin Ranging Acquisition		
3064	M1O	03-358/01:48:56.7		NOTE: EXIT HGA KEEP OUT ZONE		
3065	M1O	03-358/01:56:18.4		NOTE: Exit Earth Occultation 8983		03-358/01:47:38.7
3066	M1O	03-358/01:56:18.4	24	Acquisition Of X-Band Signal		
3067	M1O	03-358/01:56:18.4	24	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3068	M1O	03-358/01:56:50.3	24	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3069	M1O	03-358/01:57:44.3		NOTE: Exit Planetary Atmosphere 8983		03-358/01:49:04.5
3070	M1O	03-358/02:01:50.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-358/01:53:10.4
3071	M1O	03-358/02:01:50.1	24	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3072	M1O	03-358/02:01:51.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-358/01:53:11.4
3073	M1O	03-358/02:06:54.1		NOTE: Descending Node Crossing 8984		03-358/01:58:14.3
3074	M1O	03-358/02:36:17.0		NOTE: South Pole Crossing 8984		03-358/02:27:37.1
3075	M1O	03-358/02:37:59.6		NOTE: Periapsis 8984 ----------		03-358/02:29:19.8
3076	M1O	03-358/02:52:53.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
3077	M1O	03-358/03:02:53.0	24	Range Modulation Off		
3078	M1O	03-358/03:05:05.8		NOTE: Enter Solar Eclipse 8984		03-358/02:56:25.9
3079	M1O	03-358/03:05:36.1		NOTE: Ascending Node Crossing 8984		03-358/02:56:56.2
3080	M1O	03-358/03:07:53.0	24	X-Band Transmitter Off		
3081	M1O	03-358/03:24:10.3		SPAWN, Engine = 65535, Parameters = 3, 00:36:14, 1	dpt	03-358/03:15:30.3
3082	M1O	03-358/03:24:12.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-358/03:15:32.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3083	M1O	03-358/03:24:12.4	24	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3084	M1O	03-358/03:24:13.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-358/03:15:33.4
3085	M1O	03-358/03:25:12.9	24	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3086	M1O	03-358/03:25:14.0		NOTE: ENTER HGA KEEP OUT ZONE		
3087	M1O	03-358/03:25:14.0	24	NOTE: Loss Of X-Band Signal		
3088	M1O	03-358/03:27:30.3		NOTE: Exit Solar Eclipse 8984		03-358/03:18:50.2
3089	M1O	03-358/03:33:04.1		NOTE: Enter Planetary Atmosphere 8984		03-358/03:24:24.1
3090	M1O	03-358/03:34:28.7		NOTE: Enter Earth Occultation 8984		03-358/03:25:48.7
3091	M1O	03-358/03:35:30.8		NOTE: North Pole Crossing 8984		03-358/03:26:50.8
3092	M1O	03-358/03:37:48.5		NOTE: Apoapsis 8984 -		03-358/03:29:08.4
3093	M1O	03-358/03:38:07.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3094	M1O	03-358/03:43:07.0	24	Range Modulation On: SUP=3.0dB		
3095	M1O	03-358/03:44:07.0	24	Begin Ranging Acquisition		
3096	M1O	03-358/03:47:34.0		NOTE: EXIT HGA KEEP OUT ZONE		
3097	M1O	03-358/03:54:55.3		NOTE: Exit Earth Occultation 8984		03-358/03:46:15.2
3098	M1O	03-358/03:54:55.3	24	Acquisition Of X-Band Signal		
3099	M1O	03-358/03:54:55.3	24	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3100	M1O	03-358/03:55:27.0	24	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3101	M1O	03-358/03:55:59.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
3102	M1O	03-358/03:56:20.9		NOTE: Exit Planetary Atmosphere 8984		03-358/03:47:40.8
3103	M1O	03-358/04:00:26.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-358/03:51:46.4
3104	M1O	03-358/04:00:26.5	24	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3105	M1O	03-358/04:00:27.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-358/03:51:47.4
3106	M1O	03-358/04:05:29.1		NOTE: Descending Node Crossing 8985		03-358/03:56:49.0
3107	M1O	03-358/04:05:59.0	24	Range Modulation Off		
3108	M1O	03-358/04:10:59.0	24	X-Band Transmitter Off		
3109	M1O	03-358/04:18:30.1		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	03-358/04:09:50.0
3110	M1O	03-358/04:18:30.2		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-358/04:09:50.1
3111	M1O	03-358/04:18:31.2		Forces a desaturation of the reaction wheels.	RW_DESAT	03-358/04:09:51.1
3112	M1O	03-358/04:20:08.1		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-358/04:11:28.0
3113	M1O	03-358/04:20:23.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-356T04:11:28.100, 2003-358T04:11:28.100	PCKTS_RE_TX_TIME	03-358/04:11:43.8
3114	M1O	03-358/04:20:24.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-356T04:11:28.100, 2003-358T04:11:28.100	PCKTS_RE_TX_TIME	03-358/04:11:44.8
3115	M1O	03-358/04:20:25.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-356T04:11:28.100, 2003-358T04:11:28.100	PCKTS_RE_TX_TIME	03-358/04:11:45.8
3116	M1O	03-358/04:20:26.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-356T04:11:28.100, 2003-358T04:11:28.100	PCKTS_RE_TX_TIME	03-358/04:11:46.8
3117	M1O	03-358/04:20:27.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-356T04:11:28.100, 2003-358T04:11:28.100	PCKTS_RE_TX_TIME	03-358/04:11:47.8
3118	M1O	03-358/04:20:28.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-356T04:11:28.100, 2003-358T04:11:28.100	PCKTS_RE_TX_TIME	03-358/04:11:48.8
3119	M1O	03-358/04:20:28.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-358/04:11:48.8
3120	M1O	03-358/04:20:28.9	24	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3121	M1O	03-358/04:27:29.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-358/04:18:49.8
3122	M1O	03-358/04:27:29.9	24	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3123	M1O	03-358/04:27:30.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-358/04:18:50.8
3124	M1O	03-358/04:27:46.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-358/04:19:06.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3125	M1O	03-358/04:27:46.9	24	D/L RF Warning: SC antenna change - expect signal level variation		
3126	M1O	03-358/04:27:47.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-358/04:19:07.8
3127	M1O	03-358/04:28:19.2	24	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3128	M1O	03-358/04:30:00.0	45	Begin Pre-Cal		
3129	M1O	03-358/04:30:00.0	45	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
3130	M1O	03-358/04:30:00.0	45	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
3131	M1O	03-358/04:30:00.0	45	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
3132	M1O	03-358/04:30:00.0	45	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
3133	M1O	03-358/04:30:00.0	45	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
3134	M1O	03-358/04:30:00.0	45	Config: RCV: Parms:		
3135	M1O	03-358/04:30:00.0	45	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
3136	M1O	03-358/04:30:00.0	45	Config: TGC: BAND=X, SR=132720.000000		
3137	M1O	03-358/04:30:00.0	45	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
3138	M1O	03-358/04:30:01.3		CALL, Engine = , Parameters = FALSE	park_hga	03-358/04:21:21.1
3139	M1O	03-358/04:30:01.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-358/04:21:21.1
3140	M1O	03-358/04:30:02.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-358/04:21:22.1
3141	M1O	03-358/04:30:03.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-358/04:21:23.1
3142	M1O	03-358/04:30:03.3		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-358/04:21:23.1
3143	M1O	03-358/04:30:03.3		NOTE: START HGA PARK		
3144	M1O	03-358/04:30:03.3	24	NOTE: Loss Of X-Band Signal		
3145	M1O	03-358/04:30:04.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-358/04:21:24.1
3146	M1O	03-358/04:30:05.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-358/04:21:25.1
3147	M1O	03-358/04:34:35.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	03-358/04:25:55.1
3148	M1O	03-358/04:34:50.8		NOTE: South Pole Crossing 8985		03-358/04:26:10.6
3149	M1O	03-358/04:36:18.9		NOTE: Periapsis 8985 ----------		03-358/04:27:38.7
3150	M1O	03-358/04:38:05.3		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-358/04:29:25.1
3151	M1O	03-358/04:38:05.3		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-358/04:29:25.1
3152	M1O	03-358/05:03:37.7		NOTE: Enter Solar Eclipse 8985		03-358/04:54:57.4
3153	M1O	03-358/05:04:09.0		NOTE: Ascending Node Crossing 8985		03-358/04:55:28.7
3154	M1O	03-358/05:08:05.3		GV: GV_DESAT_ACTIVE = 1		03-358/04:59:25.0
3155	M1O	03-358/05:08:06.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	03-358/04:59:26.0
3156	M1O	03-358/05:08:06.3		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-358/04:59:26.0
3157	M1O	03-358/05:18:05.3		GV: GV_DESAT_ACTIVE = 0		03-358/05:09:25.0
3158	M1O	03-358/05:18:06.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	03-358/05:09:26.0
3159	M1O	03-358/05:18:07.3		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-358/05:09:27.0
3160	M1O	03-358/05:18:08.3		CALL, Engine = , Parameters =	unpark_hga	03-358/05:09:28.0
3161	M1O	03-358/05:18:08.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-358/05:09:28.0
3162	M1O	03-358/05:18:09.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-358/05:09:29.0
3163	M1O	03-358/05:22:39.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	03-358/05:13:59.0
3164	M1O	03-358/05:22:40.3		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	03-358/05:14:00.0
3165	M1O	03-358/05:23:49.3		NOTE: ENTER HGA KEEP OUT ZONE		
3166	M1O	03-358/05:26:05.0		NOTE: Exit Solar Eclipse 8985		03-358/05:17:24.6
3167	M1O	03-358/05:26:40.3		NOTE: EXIT HGA PARK		
3168	M1O	03-358/05:31:33.2		NOTE: Enter Planetary Atmosphere 8985		03-358/05:22:52.9
3169	M1O	03-358/05:32:57.5		NOTE: Enter Earth Occultation 8985		03-358/05:24:17.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3170	M1O	03-358/05:34:03.3		NOTE: North Pole Crossing 8985		03-358/05:25:22.9
3171	M1O	03-358/05:35:59.7		NOTE: Apoapsis 8985 -		03-358/05:27:19.3
3172	M1O	03-358/05:36:41.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3173	M1O	03-358/05:40:00.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
3174	M1O	03-358/05:41:41.0	24	Range Modulation On: SUP=3.0dB		
3175	M1O	03-358/05:42:41.0	24	Begin Ranging Acquisition		
3176	M1O	03-358/05:46:09.4		NOTE: EXIT HGA KEEP OUT ZONE		
3177	M1O	03-358/05:50:00.0	24	Range Modulation Off		
3178	M1O	03-358/05:53:04.5		SPAWN, Engine = 65535, Parameters = 00:11:30.397	cstr	03-358/05:44:24.1
3179	M1O	03-358/05:53:04.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-358/05:44:24.2
3180	M1O	03-358/05:53:05.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-358/05:44:25.2
3181	M1O	03-358/05:53:06.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-358/05:44:26.2
3182	M1O	03-358/05:53:07.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-358/05:44:27.2
3183	M1O	03-358/05:53:08.6		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-358/05:44:28.2
3184	M1O	03-358/05:53:18.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-358/05:44:38.2
3185	M1O	03-358/05:53:28.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-358/05:44:48.2
3186	M1O	03-358/05:53:29.5		NOTE: Exit Earth Occultation 8985		03-358/05:44:49.1
3187	M1O	03-358/05:53:29.5	24	Acquisition Of X-Band Signal		
3188	M1O	03-358/05:53:29.5	24	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3189	M1O	03-358/05:54:01.8	24	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3190	M1O	03-358/05:54:54.8		NOTE: Exit Planetary Atmosphere 8985		03-358/05:46:14.3
3191	M1O	03-358/05:55:00.0	24	X-Band Transmitter Off		
3192	M1O	03-358/05:59:59.9		NOTE: Changing to 34M (HEF) downlink rate: 66360_BPS		03-358/05:51:19.5
3193	M1O	03-358/05:59:59.9		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 66360_BPS	DOWNLINK_RATE	03-358/05:51:19.5
3194	M1O	03-358/05:59:59.9	24	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3195	M1O	03-358/06:00:00.0	24	End Tracking		
3196	M1O	03-358/06:00:00.0	45	Begin Tracking		
3197	M1O	03-358/06:00:00.0	45	Acquire D/L: X/08, 3-Way/24, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3198	M1O	03-358/06:04:00.8		NOTE: Descending Node Crossing 8986		03-358/05:55:20.3
3199	M1O	03-358/06:04:59.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-358/05:56:18.6
3200	M1O	03-358/06:05:00.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-358/05:56:19.6
3201	M1O	03-358/06:05:00.0	45	D/L Change: X/08, 3-Way/24, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3202	M1O	03-358/06:05:01.0		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-358/05:56:20.6
3203	M1O	03-358/06:11:16.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-358/06:02:36.2
3204	M1O	03-358/06:11:18.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-358/06:02:38.3
3205	M1O	03-358/06:11:18.8	45	D/L Change: X/08, 3-Way/24, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3206	M1O	03-358/06:11:19.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-358/06:02:39.3
3207	M1O	03-358/06:12:20.9	45	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3208	M1O	03-358/06:15:00.0	24	End Post-Cal		
3209	M1O	03-358/06:17:18.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-358/06:08:38.3
3210	M1O	03-358/06:17:18.8	45	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3211	M1O	03-358/06:17:19.8		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	03-358/06:08:39.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
3212	M1O	03-358/06:33:22.2		NOTE: South Pole Crossing 8986		03-358/06:24:41.7
3213	M1O	03-358/06:34:32.0		NOTE: Periapsis 8986 ----------		03-358/06:25:51.4
3214	M1O	03-358/07:02:10.2		NOTE: Enter Solar Eclipse 8986		03-358/06:53:29.5
3215	M1O	03-358/07:02:40.8		NOTE: Ascending Node Crossing 8986		03-358/06:54:00.2
3216	M1O	03-358/07:08:40.6		SPAWN, Engine = 65535, Parameters =	scdiag	03-358/07:00:00.0
3217	M1O	03-358/07:08:41.7		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	03-358/07:00:01.1
3218	M1O	03-358/07:08:42.7		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	03-358/07:00:02.1
3219	M1O	03-358/07:09:43.6		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-358/07:01:03.0
3220	M1O	03-358/07:09:43.8		NOTE: Start Block fsw_diag		03-358/07:01:03.2
3221	M1O	03-358/07:09:44.8		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	03-358/07:01:04.2
3222	M1O	03-358/07:09:45.8		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	03-358/07:01:05.2
3223	M1O	03-358/07:09:56.8		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	03-358/07:01:16.2
3224	M1O	03-358/07:10:26.8		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	03-358/07:01:46.2
3225	M1O	03-358/07:10:46.8		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	03-358/07:02:06.2
3226	M1O	03-358/07:10:56.8		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	03-358/07:02:16.2
3227	M1O	03-358/07:11:16.8		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	03-358/07:02:36.2
3228	M1O	03-358/07:11:26.8		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	03-358/07:02:46.2
3229	M1O	03-358/07:11:31.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	03-358/07:02:51.2
3230	M1O	03-358/07:11:36.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	03-358/07:02:56.2
3231	M1O	03-358/07:11:41.8		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	03-358/07:03:01.2
3232	M1O	03-358/07:11:46.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	03-358/07:03:06.2
3233	M1O	03-358/07:11:51.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	03-358/07:03:11.2
3234	M1O	03-358/07:12:31.8		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	03-358/07:03:51.2
3235	M1O	03-358/07:12:36.8		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	03-358/07:03:56.2
3236	M1O	03-358/07:12:41.8		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	03-358/07:04:01.2
3237	M1O	03-358/07:12:46.8		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	03-358/07:04:06.2
3238	M1O	03-358/07:12:51.8		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	03-358/07:04:11.2
3239	M1O	03-358/07:12:52.8		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	03-358/07:04:12.2
3240	M1O	03-358/07:12:53.8		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	03-358/07:04:13.2
3241	M1O	03-358/07:12:54.8		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-358/07:04:14.2
3242	M1O	03-358/07:13:05.8		NOTE: End Block fsw_diag.mod		03-358/07:04:25.2
3243	M1O	03-358/07:21:18.7		SPAWN, Engine = 65535, Parameters = 3, 00:35:38.504, 1	dpt	03-358/07:12:38.0
3244	M1O	03-358/07:21:20.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-358/07:12:40.1
3245	M1O	03-358/07:21:20.8	45	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3246	M1O	03-358/07:21:21.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-358/07:12:41.1
3247	M1O	03-358/07:22:20.7		NOTE: ENTER HGA KEEP OUT ZONE		
3248	M1O	03-358/07:22:20.7	45	NOTE: Loss Of X-Band Signal		
3249	M1O	03-358/07:24:35.8		NOTE: Exit Solar Eclipse 8986		03-358/07:15:55.1
3250	M1O	03-358/07:30:04.9		NOTE: Enter Planetary Atmosphere 8986		03-358/07:21:24.2
3251	M1O	03-358/07:31:29.4		NOTE: Enter Earth Occultation 8986		03-358/07:22:48.6
3252	M1O	03-358/07:32:34.8		NOTE: North Pole Crossing 8986		03-358/07:23:54.1
3253	M1O	03-358/07:34:36.9		NOTE: Apoapsis 8986 -		03-358/07:25:56.2
3254	M1O	03-358/07:44:40.7		NOTE: EXIT HGA KEEP OUT ZONE		
3255	M1O	03-358/07:51:59.3		NOTE: Exit Earth Occultation 8986		03-358/07:43:18.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3256	M1O	03-358/07:51:59.3	45	Acquisition Of X-Band Signal		
3257	M1O	03-358/07:51:59.3	45	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3258	M1O	03-358/07:53:24.7		NOTE: Exit Planetary Atmosphere 8986		03-358/07:44:43.9
3259	M1O	03-358/07:56:59.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-358/07:48:18.6
3260	M1O	03-358/07:56:59.4	45	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3261	M1O	03-358/07:57:00.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-358/07:48:19.6
3262	M1O	03-358/08:02:31.9		NOTE: Descending Node Crossing 8987		03-358/07:53:51.1
3263	M1O	03-358/08:31:54.1		NOTE: South Pole Crossing 8987		03-358/08:23:13.2
3264	M1O	03-358/08:33:03.9		NOTE: Periapsis 8987 ----------		03-358/08:24:23.0
3265	M1O	03-358/09:00:43.9		NOTE: Enter Solar Eclipse 8987		03-358/08:52:02.9
3266	M1O	03-358/09:01:13.8		NOTE: Ascending Node Crossing 8987		03-358/08:52:32.8
3267	M1O	03-358/09:19:50.0		SPAWN, Engine = 65535, Parameters = 3, 00:35:37.134, 1	dpt	03-358/09:11:09.0
3268	M1O	03-358/09:19:52.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-358/09:11:11.1
3269	M1O	03-358/09:19:52.1	45	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3270	M1O	03-358/09:19:53.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-358/09:11:12.1
3271	M1O	03-358/09:20:52.0		NOTE: ENTER HGA KEEP OUT ZONE		
3272	M1O	03-358/09:20:52.0	45	NOTE: Loss Of X-Band Signal		
3273	M1O	03-358/09:23:03.8		NOTE: Exit Solar Eclipse 8987		03-358/09:14:22.7
3274	M1O	03-358/09:28:45.1		NOTE: Enter Planetary Atmosphere 8987		03-358/09:20:04.0
3275	M1O	03-358/09:30:10.3		NOTE: Enter Earth Occultation 8987		03-358/09:21:29.2
3276	M1O	03-358/09:31:09.0		NOTE: North Pole Crossing 8987		03-358/09:22:27.9
3277	M1O	03-358/09:33:16.4		NOTE: Apoapsis 8987 -		03-358/09:24:35.2
3278	M1O	03-358/09:43:12.1		NOTE: EXIT HGA KEEP OUT ZONE		
3279	M1O	03-358/09:50:29.3		NOTE: Exit Earth Occultation 8987		03-358/09:41:48.1
3280	M1O	03-358/09:50:29.3	45	Acquisition Of X-Band Signal		
3281	M1O	03-358/09:50:29.3	45	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3282	M1O	03-358/09:51:55.4		NOTE: Exit Planetary Atmosphere 8987		03-358/09:43:14.2
3283	M1O	03-358/09:55:29.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-358/09:46:48.2
3284	M1O	03-358/09:55:29.4	45	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3285	M1O	03-358/09:55:30.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-358/09:46:49.2
3286	M1O	03-358/10:01:07.5		NOTE: Descending Node Crossing 8988		03-358/09:52:26.3
3287	M1O	03-358/10:21:50.2		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, TRUE	cend	03-358/10:13:09.0
3288	M1O	03-358/10:22:06.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-356T10:13:09.100, 2003-358T10:13:09.100	PCKTS_RE_TX_TIME	03-358/10:13:24.8
3289	M1O	03-358/10:22:07.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-356T10:13:09.100, 2003-358T10:13:09.100	PCKTS_RE_TX_TIME	03-358/10:13:25.8
3290	M1O	03-358/10:22:08.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-356T10:13:09.100, 2003-358T10:13:09.100	PCKTS_RE_TX_TIME	03-358/10:13:26.8
3291	M1O	03-358/10:22:09.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-356T10:13:09.100, 2003-358T10:13:09.100	PCKTS_RE_TX_TIME	03-358/10:13:27.8
3292	M1O	03-358/10:22:10.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-356T10:13:09.100, 2003-358T10:13:09.100	PCKTS_RE_TX_TIME	03-358/10:13:28.8
3293	M1O	03-358/10:22:11.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-356T10:13:09.100, 2003-358T10:13:09.100	PCKTS_RE_TX_TIME	03-358/10:13:29.8
3294	M1O	03-358/10:22:11.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-358/10:13:29.8
3295	M1O	03-358/10:22:11.0	45	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3296	M1O	03-358/10:29:12.0		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	03-358/10:20:30.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
3297	M1O	03-358/10:29:12.0	45	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3298	M1O	03-358/10:29:13.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-358/10:20:31.8
3299	M1O	03-358/10:29:43.0		Turns power OFF or ON to the SDST exciter on the active telecom side.: OFF	SDST_EXCITER	03-358/10:21:01.8
3300	M1O	03-358/10:29:43.0	45	NOTE: Loss Of X-Band Signal		
3301	M1O	03-358/10:29:53.0		Turns power OFF or ON to the SSPA assigned as active.: OFF	SSPA_POWER	03-358/10:21:11.8
3302	M1O	03-358/10:29:54.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-358/10:21:12.8
3303	M1O	03-358/10:29:55.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-358/10:21:13.8
3304	M1O	03-358/10:30:00.0	45	End Tracking		
3305	M1O	03-358/10:30:29.9		NOTE: South Pole Crossing 8988		03-358/10:21:48.6
3306	M1O	03-358/10:31:47.4		NOTE: Periapsis 8988 ----------		03-358/10:23:06.1
3307	M1O	03-358/10:45:00.0	45	End Post-Cal		
3308	M1O	03-358/10:59:19.0		NOTE: Enter Solar Eclipse 8988		03-358/10:50:37.6
3309	M1O	03-358/10:59:49.3		NOTE: Ascending Node Crossing 8988		03-358/10:51:08.0
3310	M1O	03-358/11:19:27.4		NOTE: ENTER HGA KEEP OUT ZONE		
3311	M1O	03-358/11:21:35.8		NOTE: Exit Solar Eclipse 8988		03-358/11:12:54.4
3312	M1O	03-358/11:27:25.4		NOTE: Enter Planetary Atmosphere 8988		03-358/11:18:43.9
3313	M1O	03-358/11:28:51.0		NOTE: Enter Earth Occultation 8988		03-358/11:20:09.5
3314	M1O	03-358/11:29:45.5		NOTE: North Pole Crossing 8988		03-358/11:21:04.1
3315	M1O	03-358/11:31:46.3		NOTE: Apoapsis 8988 -		03-358/11:23:04.8
3316	M1O	03-358/11:41:27.5		NOTE: EXIT HGA KEEP OUT ZONE		
3317	M1O	03-358/11:49:03.7		NOTE: Exit Earth Occultation 8988		03-358/11:40:22.1
3318	M1O	03-358/11:50:30.2		NOTE: Exit Planetary Atmosphere 8988		03-358/11:41:48.7
3319	M1O	03-358/11:59:45.0		NOTE: Descending Node Crossing 8989		03-358/11:51:03.5
3320	M1O	03-358/12:15:00.0	63	Begin Pre-Cal		
3321	M1O	03-358/12:15:00.0	63	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
3322	M1O	03-358/12:15:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
3323	M1O	03-358/12:15:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
3324	M1O	03-358/12:15:00.0	63	At BOT: S/C Transmitter Status: PWR=OFF, EXC=1, PWR=OFF, EXC=2		
3325	M1O	03-358/12:15:00.0	63	Config: RCV: Parms:		
3326	M1O	03-358/12:15:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
3327	M1O	03-358/12:15:00.0	63	Config: TGC: BAND=X, SR=132720.000000		
3328	M1O	03-358/12:15:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
3329	M1O	03-358/12:29:07.3		NOTE: South Pole Crossing 8989		03-358/12:20:25.7
3330	M1O	03-358/12:30:24.1		NOTE: Periapsis 8989 ----------		03-358/12:21:42.5
3331	M1O	03-358/12:57:55.5		NOTE: Enter Solar Eclipse 8989		03-358/12:49:13.7
3332	M1O	03-358/12:58:26.4		NOTE: Ascending Node Crossing 8989		03-358/12:49:44.6
3333	M1O	03-358/13:18:24.7		NOTE: ENTER HGA KEEP OUT ZONE		
3334	M1O	03-358/13:20:12.4		NOTE: Exit Solar Eclipse 8989		03-358/13:11:30.6
3335	M1O	03-358/13:26:01.5		NOTE: Enter Planetary Atmosphere 8989		03-358/13:17:19.6
3336	M1O	03-358/13:27:26.9		NOTE: Enter Earth Occultation 8989		03-358/13:18:45.1
3337	M1O	03-358/13:28:22.4		NOTE: North Pole Crossing 8989		03-358/13:19:40.5
3338	M1O	03-358/13:30:08.3		NOTE: Apoapsis 8989 -		03-358/13:21:26.5
3339	M1O	03-358/13:40:04.8		NOTE: EXIT HGA KEEP OUT ZONE		
3340	M1O	03-358/13:45:00.0	63	Begin Tracking		
3341	M1O	03-358/13:45:00.2		NOTE: Changing to 70M downlink rate: 110600_BPS		03-358/13:36:18.4
3342	M1O	03-358/13:45:00.2		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	03-358/13:36:18.4
3343	M1O	03-358/13:47:16.1		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-358/13:38:34.2
3344	M1O	03-358/13:47:16.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-358/13:38:34.3
3345	M1O	03-358/13:47:17.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-358/13:38:35.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3346	M1O	03-358/13:47:18.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-358/13:38:36.3
3347	M1O	03-358/13:47:19.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-358/13:38:37.3
3348	M1O	03-358/13:47:20.2		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-358/13:38:38.3
3349	M1O	03-358/13:47:30.2		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-358/13:38:48.3
3350	M1O	03-358/13:47:40.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-358/13:38:58.3
3351	M1O	03-358/13:47:41.1		NOTE: Exit Earth Occultation 8989		03-358/13:38:59.2
3352	M1O	03-358/13:47:41.1	63	Acquisition Of X-Band Signal		
3353	M1O	03-358/13:47:41.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3354	M1O	03-358/13:49:07.5		NOTE: Exit Planetary Atmosphere 8989		03-358/13:40:25.6
3355	M1O	03-358/13:52:40.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-358/13:43:58.3
3356	M1O	03-358/13:52:41.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-358/13:43:59.3
3357	M1O	03-358/13:52:41.2	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3358	M1O	03-358/13:52:42.2		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-358/13:44:00.3
3359	M1O	03-358/13:58:21.6		NOTE: Descending Node Crossing 8990		03-358/13:49:39.7
3360	M1O	03-358/14:27:44.0		NOTE: South Pole Crossing 8990		03-358/14:19:01.9
3361	M1O	03-358/14:28:57.5		NOTE: Periapsis 8990 ----------		03-358/14:20:15.5
3362	M1O	03-358/14:56:32.0		NOTE: Enter Solar Eclipse 8990		03-358/14:47:49.9
3363	M1O	03-358/14:57:03.1		NOTE: Ascending Node Crossing 8990		03-358/14:48:21.0
3364	M1O	03-358/15:15:39.1		SPAWN, Engine = 65535, Parameters = 3, 00:35:37.633, 1	dpt	03-358/15:06:57.0
3365	M1O	03-358/15:15:41.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-358/15:06:59.1
3366	M1O	03-358/15:15:41.2	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3367	M1O	03-358/15:15:42.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-358/15:07:00.1
3368	M1O	03-358/15:16:41.1		NOTE: ENTER HGA KEEP OUT ZONE		
3369	M1O	03-358/15:16:41.1	63	NOTE: Loss Of X-Band Signal		
3370	M1O	03-358/15:18:51.4		NOTE: Exit Solar Eclipse 8990		03-358/15:10:09.3
3371	M1O	03-358/15:24:32.5		NOTE: Enter Planetary Atmosphere 8990		03-358/15:15:50.4
3372	M1O	03-358/15:25:57.5		NOTE: Enter Earth Occultation 8990		03-358/15:17:15.3
3373	M1O	03-358/15:26:58.0		NOTE: North Pole Crossing 8990		03-358/15:18:15.9
3374	M1O	03-358/15:28:34.4		NOTE: Apoapsis 8990 -		03-358/15:19:52.2
3375	M1O	03-358/15:38:41.2		NOTE: EXIT HGA KEEP OUT ZONE		
3376	M1O	03-358/15:46:18.8		NOTE: Exit Earth Occultation 8990		03-358/15:37:36.6
3377	M1O	03-358/15:46:18.8	63	Acquisition Of X-Band Signal		
3378	M1O	03-358/15:46:18.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3379	M1O	03-358/15:47:44.8		NOTE: Exit Planetary Atmosphere 8990		03-358/15:39:02.5
3380	M1O	03-358/15:51:18.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-358/15:42:36.7
3381	M1O	03-358/15:51:18.9	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3382	M1O	03-358/15:51:19.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-358/15:42:37.7
3383	M1O	03-358/15:56:55.9		NOTE: Descending Node Crossing 8991		03-358/15:48:13.6
3384	M1O	03-358/16:26:18.2		NOTE: South Pole Crossing 8991		03-358/16:17:35.8
3385	M1O	03-358/16:27:34.6		NOTE: Periapsis 8991 ----------		03-358/16:18:52.2
3386	M1O	03-358/16:55:05.3		NOTE: Enter Solar Eclipse 8991		03-358/16:46:22.9
3387	M1O	03-358/16:55:37.3		NOTE: Ascending Node Crossing 8991		03-358/16:46:54.8
3388	M1O	03-358/17:14:13.5		SPAWN, Engine = 65535, Parameters = 3, 00:35:37.698, 1	dpt	03-358/17:05:31.0
3389	M1O	03-358/17:14:15.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-358/17:05:33.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3390	M1O	03-358/17:14:15.6	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3391	M1O	03-358/17:14:16.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-358/17:05:34.1
3392	M1O	03-358/17:15:15.5		NOTE: ENTER HGA KEEP OUT ZONE		
3393	M1O	03-358/17:15:15.5	63	NOTE: Loss Of X-Band Signal		
3394	M1O	03-358/17:17:28.2		NOTE: Exit Solar Eclipse 8991		03-358/17:08:45.6
3395	M1O	03-358/17:23:01.3		NOTE: Enter Planetary Atmosphere 8991		03-358/17:14:18.8
3396	M1O	03-358/17:24:25.9		NOTE: Enter Earth Occultation 8991		03-358/17:15:43.4
3397	M1O	03-358/17:25:31.2		NOTE: North Pole Crossing 8991		03-358/17:16:48.7
3398	M1O	03-358/17:27:23.3		NOTE: Apoapsis 8991 -		03-358/17:18:40.7
3399	M1O	03-358/17:37:15.5		NOTE: EXIT HGA KEEP OUT ZONE		
3400	M1O	03-358/17:44:53.3		NOTE: Exit Earth Occultation 8991		03-358/17:36:10.6
3401	M1O	03-358/17:44:53.3	63	Acquisition Of X-Band Signal		
3402	M1O	03-358/17:44:53.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3403	M1O	03-358/17:46:18.8		NOTE: Exit Planetary Atmosphere 8991		03-358/17:37:36.2
3404	M1O	03-358/17:49:53.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-358/17:41:10.7
3405	M1O	03-358/17:49:53.4	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3406	M1O	03-358/17:49:54.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-358/17:41:11.7
3407	M1O	03-358/17:55:28.1		NOTE: Descending Node Crossing 8992		03-358/17:46:45.5
3408	M1O	03-358/18:24:49.6		NOTE: South Pole Crossing 8992		03-358/18:16:06.9
3409	M1O	03-358/18:26:03.7		NOTE: Periapsis 8992 ----------		03-358/18:17:21.0
3410	M1O	03-358/18:53:35.6		NOTE: Enter Solar Eclipse 8992		03-358/18:44:52.8
3411	M1O	03-358/18:54:08.1		NOTE: Ascending Node Crossing 8992		03-358/18:45:25.3
3412	M1O	03-358/19:12:45.8		SPAWN, Engine = 65535, Parameters = 3, 00:36:07.570, 1	dpt	03-358/19:04:03.0
3413	M1O	03-358/19:12:47.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-358/19:04:05.1
3414	M1O	03-358/19:12:47.9	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3415	M1O	03-358/19:12:48.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-358/19:04:06.1
3416	M1O	03-358/19:13:47.8		NOTE: ENTER HGA KEEP OUT ZONE		
3417	M1O	03-358/19:13:47.8	63	NOTE: Loss Of X-Band Signal		
3418	M1O	03-358/19:15:58.2		NOTE: Exit Solar Eclipse 8992		03-358/19:07:15.3
3419	M1O	03-358/19:21:32.9		NOTE: Enter Planetary Atmosphere 8992		03-358/19:12:50.0
3420	M1O	03-358/19:22:57.6		NOTE: Enter Earth Occultation 8992		03-358/19:14:14.7
3421	M1O	03-358/19:24:02.5		NOTE: North Pole Crossing 8992		03-358/19:15:19.6
3422	M1O	03-358/19:25:49.2		NOTE: Apoapsis 8992 -		03-358/19:17:06.3
3423	M1O	03-358/19:26:30.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3424	M1O	03-358/19:31:30.0	63	Range Modulation On: SUP=3.0dB		
3425	M1O	03-358/19:32:30.0	63	Begin Ranging Acquisition		
3426	M1O	03-358/19:35:47.9		NOTE: EXIT HGA KEEP OUT ZONE		
3427	M1O	03-358/19:43:24.0		NOTE: Exit Earth Occultation 8992		03-358/19:34:41.0
3428	M1O	03-358/19:43:24.0	63	Acquisition Of X-Band Signal		
3429	M1O	03-358/19:43:24.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3430	M1O	03-358/19:43:55.8	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3431	M1O	03-358/19:44:49.7		NOTE: Exit Planetary Atmosphere 8992		03-358/19:36:06.8
3432	M1O	03-358/19:48:55.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-358/19:40:12.6
3433	M1O	03-358/19:48:55.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3434	M1O	03-358/19:48:56.6		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	03-358/19:40:13.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
3435	M1O	03-358/19:53:59.8		NOTE: Descending Node Crossing 8993		03-358/19:45:16.8
3436	M1O	03-358/20:23:21.0		NOTE: South Pole Crossing 8993		03-358/20:14:38.0
3437	M1O	03-358/20:24:14.0		NOTE: Periapsis 8993 ----------		03-358/20:15:30.9
3438	M1O	03-358/20:39:53.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
3439	M1O	03-358/20:49:53.0	63	Range Modulation Off		
3440	M1O	03-358/20:52:09.2		NOTE: Enter Solar Eclipse 8993		03-358/20:43:26.1
3441	M1O	03-358/20:52:40.0		NOTE: Ascending Node Crossing 8993		03-358/20:43:56.8
3442	M1O	03-358/20:54:53.0	63	X-Band Transmitter Off		
3443	M1O	03-358/21:11:16.7		SPAWN, Engine = 65535, Parameters = 3, 00:36:07, 1	dpt	03-358/21:02:33.5
3444	M1O	03-358/21:11:18.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-358/21:02:35.6
3445	M1O	03-358/21:11:18.8	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3446	M1O	03-358/21:11:19.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-358/21:02:36.6
3447	M1O	03-358/21:12:19.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3448	M1O	03-358/21:12:20.2		NOTE: ENTER HGA KEEP OUT ZONE		
3449	M1O	03-358/21:12:20.2	63	NOTE: Loss Of X-Band Signal		
3450	M1O	03-358/21:14:25.8		NOTE: Exit Solar Eclipse 8993		03-358/21:05:42.5
3451	M1O	03-358/21:20:10.8		NOTE: Enter Planetary Atmosphere 8993		03-358/21:11:27.5
3452	M1O	03-358/21:21:36.0		NOTE: Enter Earth Occultation 8993		03-358/21:12:52.7
3453	M1O	03-358/21:22:35.5		NOTE: North Pole Crossing 8993		03-358/21:13:52.2
3454	M1O	03-358/21:24:01.7		NOTE: Apoapsis 8993 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3481	M1O	03-358/22:21:56.1		NOTE: South Pole Crossing 8994		03-358/22:13:12.7
3482	M1O	03-358/22:22:53.1		NOTE: Periapsis 8994 ----------		03-358/22:14:09.7
3483	M1O	03-358/22:38:26.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
3484	M1O	03-358/22:48:26.0	63	Range Modulation Off		
3485	M1O	03-358/22:50:46.3		NOTE: Enter Solar Eclipse 8994		03-358/22:42:02.8
3486	M1O	03-358/22:51:16.2		NOTE: Ascending Node Crossing 8994		03-358/22:42:32.7
3487	M1O	03-358/22:53:26.0	63	X-Band Transmitter Off		
3488	M1O	03-358/23:09:50.1		SPAWN, Engine = 65535, Parameters = 3, 00:40:08.755, 1	dpt	03-358/23:01:06.5
3489	M1O	03-358/23:09:52.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-358/23:01:08.6
3490	M1O	03-358/23:09:52.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3491	M1O	03-358/23:09:53.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-358/23:01:09.6
3492	M1O	03-358/23:10:53.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3493	M1O	03-358/23:10:53.5		NOTE: ENTER HGA KEEP OUT ZONE		
3494	M1O	03-358/23:10:53.5	63	NOTE: Loss Of X-Band Signal		
3495	M1O	03-358/23:12:59.0		NOTE: Exit Solar Eclipse 8994		03-358/23:04:15.4
3496	M1O	03-358/23:18:49.1		NOTE: Enter Planetary Atmosphere 8994		03-358/23:10:05.4
3497	M1O	03-358/23:20:14.6		NOTE: Enter Earth Occultation 8994		03-358/23:11:31.0
3498	M1O	03-358/23:21:11.5		NOTE: North Pole Crossing 8994		03-358/23:12:27.8
3499	M1O	03-358/23:22:54.4		NOTE: Apoapsis 8994 -		03-358/23:14:10.8
3500	M1O	03-358/23:25:00.0	26	Begin Tracking		
3501	M1O	03-358/23:26:00.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3502	M1O	03-358/23:31:00.0	26	Range Modulation On: SUP=3.0dB		
3503	M1O	03-358/23:32:00.0	26	Begin Ranging Acquisition		
3504	M1O	03-358/23:32:53.6		NOTE: EXIT HGA KEEP OUT ZONE		
3505	M1O	03-358/23:36:04.0	63	NOTE: Below Uplink Interlock Limit		
3506	M1O	03-358/23:40:27.0		NOTE: Exit Earth Occultation 8994		03-358/23:31:43.3
3507	M1O	03-358/23:40:27.0	63	Acquisition Of X-Band Signal		
3508	M1O	03-358/23:40:27.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3509	M1O	03-358/23:40:27.0	26	Acquisition Of X-Band Signal		
3510	M1O	03-358/23:40:27.0	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3511	M1O	03-358/23:41:53.6		NOTE: Exit Planetary Atmosphere 8994		03-358/23:33:09.9
3512	M1O	03-358/23:43:27.2	63	Acquire D/L: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3513	M1O	03-358/23:43:27.2	26	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3514	M1O	03-358/23:45:00.0	63	End Tracking		
3515	M1O	03-358/23:45:01.0		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		03-358/23:36:17.3
3516	M1O	03-358/23:45:01.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	03-358/23:36:17.3
3517	M1O	03-358/23:45:01.0	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3518	M1O	03-358/23:50:01.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-358/23:41:17.4
3519	M1O	03-358/23:50:01.1	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3520	M1O	03-358/23:50:02.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-358/23:41:18.4
3521	M1O	03-358/23:51:09.7		NOTE: Descending Node Crossing 8995		03-358/23:42:26.0
3522	M1O	03-359/00:00:00.0	63	End Post-Cal		
3523	M1O	03-359/00:00:00.0		Light Time: OWLT = 08:43, RTLT = 17:27		
3524	M1O	03-359/00:08:43.7		Dummy command to mark beg/end of mini sequences: cz501a, 2004-001T00:00:02.000	START_MINI	03-359/00:00:00.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3525	M1O	03-359/00:08:53.7		Deletes the designated file.: d:/seq/cz501.abs	FILE_DELETE	03-359/00:00:10.0
3526	M1O	03-359/00:20:33.3		NOTE: South Pole Crossing 8995		03-359/00:11:49.5
3527	M1O	03-359/00:21:59.0		NOTE: Periapsis 8995 ----------		03-359/00:13:15.2
3528	M1O	03-359/00:37:21.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
3529	M1O	03-359/00:47:21.0	26	Range Modulation Off		
3530	M1O	03-359/00:49:22.5		NOTE: Enter Solar Eclipse 8995		03-359/00:40:38.6
3531	M1O	03-359/00:49:53.6		NOTE: Ascending Node Crossing 8995		03-359/00:41:09.7
3532	M1O	03-359/00:52:21.0	26	X-Band Transmitter Off		
3533	M1O	03-359/01:08:46.6		SPAWN, Engine = 65535, Parameters = 3, 00:35:45, 1	dpt	03-359/01:00:02.6
3534	M1O	03-359/01:08:48.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-359/01:00:04.7
3535	M1O	03-359/01:08:48.7	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3536	M1O	03-359/01:08:49.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-359/01:00:05.7
3537	M1O	03-359/01:09:48.7	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3538	M1O	03-359/01:09:49.9		NOTE: ENTER HGA KEEP OUT ZONE		
3539	M1O	03-359/01:09:49.9	26	NOTE: Loss Of X-Band Signal		
3540	M1O	03-359/01:11:35.8		NOTE: Exit Solar Eclipse 8995		03-359/01:02:51.8
3541	M1O	03-359/01:17:25.7		NOTE: Enter Planetary Atmosphere 8995		03-359/01:08:41.7
3542	M1O	03-359/01:18:51.4		NOTE: Enter Earth Occultation 8995		03-359/01:10:07.5
3543	M1O	03-359/01:19:48.3		NOTE: North Pole Crossing 8995		03-359/01:11:04.3
3544	M1O	03-359/01:22:06.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3545	M1O	03-359/01:22:09.5		NOTE: Apoapsis 8995 -		03-359/01:13:25.5
3546	M1O	03-359/01:27:06.0	26	Range Modulation On: SUP=3.0dB		
3547	M1O	03-359/01:28:06.0	26	Begin Ranging Acquisition		
3548	M1O	03-359/01:31:30.0		NOTE: EXIT HGA KEEP OUT ZONE		
3549	M1O	03-359/01:39:02.2		NOTE: Exit Earth Occultation 8995		03-359/01:30:18.1
3550	M1O	03-359/01:39:02.2	26	Acquisition Of X-Band Signal		
3551	M1O	03-359/01:39:02.2	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3552	M1O	03-359/01:39:33.9	26	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3553	M1O	03-359/01:40:28.8		NOTE: Exit Planetary Atmosphere 8995		03-359/01:31:44.7
3554	M1O	03-359/01:44:33.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-359/01:35:49.7
3555	M1O	03-359/01:44:33.8	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3556	M1O	03-359/01:44:34.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-359/01:35:50.7
3557	M1O	03-359/01:49:46.7		NOTE: Descending Node Crossing 8996		03-359/01:41:02.6
3558	M1O	03-359/02:19:10.2		NOTE: South Pole Crossing 8996		03-359/02:10:26.0
3559	M1O	03-359/02:20:57.7		NOTE: Periapsis 8996 ----------		03-359/02:12:13.5
3560	M1O	03-359/02:35:57.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
3561	M1O	03-359/02:45:57.0	26	Range Modulation Off		
3562	M1O	03-359/02:47:56.5		NOTE: Enter Solar Eclipse 8996		03-359/02:39:12.3
3563	M1O	03-359/02:48:29.7		NOTE: Ascending Node Crossing 8996		03-359/02:39:45.5
3564	M1O	03-359/02:50:57.0	26	X-Band Transmitter Off		
3565	M1O	03-359/03:07:22.9		SPAWN, Engine = 65535, Parameters = 3, 00:35:45, 1	dpt	03-359/02:58:38.6
3566	M1O	03-359/03:07:25.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-359/02:58:40.7
3567	M1O	03-359/03:07:25.0	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3568	M1O	03-359/03:07:26.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-359/02:58:41.7
3569	M1O	03-359/03:08:25.5	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3570	M1O	03-359/03:08:26.3		NOTE: ENTER HGA KEEP OUT ZONE		
3571	M1O	03-359/03:08:26.3	26	NOTE: Loss Of X-Band Signal		
3572	M1O	03-359/03:10:12.8		NOTE: Exit Solar Eclipse 8996		03-359/03:01:28.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3573	M1O	03-359/03:16:00.1		NOTE: Enter Planetary Atmosphere 8996		03-359/03:07:15.7
3574	M1O	03-359/03:17:25.7		NOTE: Enter Earth Occultation 8996		03-359/03:08:41.3
3575	M1O	03-359/03:18:24.4		NOTE: North Pole Crossing 8996		03-359/03:09:40.1
3576	M1O	03-359/03:20:42.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3577	M1O	03-359/03:20:58.3		NOTE: Apoapsis 8996 -		03-359/03:12:13.9
3578	M1O	03-359/03:25:42.0	26	Range Modulation On: SUP=3.0dB		
3579	M1O	03-359/03:26:42.0	26	Begin Ranging Acquisition		
3580	M1O	03-359/03:30:06.3		NOTE: EXIT HGA KEEP OUT ZONE		
3581	M1O	03-359/03:37:38.8		NOTE: Exit Earth Occultation 8996		03-359/03:28:54.4
3582	M1O	03-359/03:37:38.8	26	Acquisition Of X-Band Signal		
3583	M1O	03-359/03:37:38.8	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3584	M1O	03-359/03:38:10.6	26	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3585	M1O	03-359/03:38:48.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
3586	M1O	03-359/03:39:05.4		NOTE: Exit Planetary Atmosphere 8996		03-359/03:30:21.0
3587	M1O	03-359/03:43:10.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-359/03:34:25.7
3588	M1O	03-359/03:43:10.1	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3589	M1O	03-359/03:43:11.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-359/03:34:26.7
3590	M1O	03-359/03:48:23.0		NOTE: Descending Node Crossing 8997		03-359/03:39:38.6
3591	M1O	03-359/03:48:48.0	26	Range Modulation Off		
3592	M1O	03-359/03:53:48.0	26	X-Band Transmitter Off		
3593	M1O	03-359/04:01:23.4		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	03-359/03:52:39.0
3594	M1O	03-359/04:01:23.5		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-359/03:52:39.1
3595	M1O	03-359/04:01:24.5		Forces a desaturation of the reaction wheels.	RW_DESAT	03-359/03:52:40.1
3596	M1O	03-359/04:03:05.4		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-359/03:54:21.0
3597	M1O	03-359/04:03:21.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-357T03:54:21.100, 2003-359T03:54:21.100	PCKTS_RE_TX_TIME	03-359/03:54:36.8
3598	M1O	03-359/04:03:22.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-357T03:54:21.100, 2003-359T03:54:21.100	PCKTS_RE_TX_TIME	03-359/03:54:37.8
3599	M1O	03-359/04:03:23.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-357T03:54:21.100, 2003-359T03:54:21.100	PCKTS_RE_TX_TIME	03-359/03:54:38.8
3600	M1O	03-359/04:03:24.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-357T03:54:21.100, 2003-359T03:54:21.100	PCKTS_RE_TX_TIME	03-359/03:54:39.8
3601	M1O	03-359/04:03:25.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-357T03:54:21.100, 2003-359T03:54:21.100	PCKTS_RE_TX_TIME	03-359/03:54:40.8
3602	M1O	03-359/04:03:26.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-357T03:54:21.100, 2003-359T03:54:21.100	PCKTS_RE_TX_TIME	03-359/03:54:41.8
3603	M1O	03-359/04:03:26.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-359/03:54:41.8
3604	M1O	03-359/04:03:26.2	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3605	M1O	03-359/04:10:27.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-359/04:01:42.8
3606	M1O	03-359/04:10:27.2	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3607	M1O	03-359/04:10:28.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-359/04:01:43.8
3608	M1O	03-359/04:10:44.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-359/04:01:59.8
3609	M1O	03-359/04:10:44.2	26	D/L RF Warning: SC antenna change - expect signal level variation		
3610	M1O	03-359/04:10:45.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-359/04:02:00.8
3611	M1O	03-359/04:11:16.8	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3612	M1O	03-359/04:12:54.6		CALL, Engine = , Parameters = FALSE	park_hga	03-359/04:04:10.1
3613	M1O	03-359/04:12:54.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-359/04:04:10.1
3614	M1O	03-359/04:12:55.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-359/04:04:11.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3615	M1O	03-359/04:12:56.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-359/04:04:12.1
3616	M1O	03-359/04:12:56.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-359/04:04:12.1
3617	M1O	03-359/04:12:56.6		NOTE: START HGA PARK		
3618	M1O	03-359/04:12:56.6	26	NOTE: Loss Of X-Band Signal		
3619	M1O	03-359/04:12:57.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-359/04:04:13.1
3620	M1O	03-359/04:12:58.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-359/04:04:14.1
3621	M1O	03-359/04:17:28.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	03-359/04:08:44.1
3622	M1O	03-359/04:17:45.3		NOTE: South Pole Crossing 8997		03-359/04:09:00.8
3623	M1O	03-359/04:19:30.4		NOTE: Periapsis 8997 ----------		03-359/04:10:45.8
3624	M1O	03-359/04:20:58.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-359/04:12:14.1
3625	M1O	03-359/04:20:58.6		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-359/04:12:14.1
3626	M1O	03-359/04:46:28.4		NOTE: Enter Solar Eclipse 8997		03-359/04:37:43.8
3627	M1O	03-359/04:47:03.5		NOTE: Ascending Node Crossing 8997		03-359/04:38:18.9
3628	M1O	03-359/04:50:58.6		GV: GV_DESAT_ACTIVE = 1		03-359/04:42:14.0
3629	M1O	03-359/04:50:59.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	03-359/04:42:15.0
3630	M1O	03-359/04:50:59.6		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-359/04:42:15.0
3631	M1O	03-359/05:00:58.6		GV: GV_DESAT_ACTIVE = 0		03-359/04:52:14.0
3632	M1O	03-359/05:00:59.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	03-359/04:52:15.0
3633	M1O	03-359/05:01:00.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-359/04:52:16.0
3634	M1O	03-359/05:01:01.6		CALL, Engine = , Parameters =	unpark_hga	03-359/04:52:17.0
3635	M1O	03-359/05:01:01.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-359/04:52:17.0
3636	M1O	03-359/05:01:02.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-359/04:52:18.0
3637	M1O	03-359/05:05:32.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	03-359/04:56:48.0
3638	M1O	03-359/05:05:33.6		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	03-359/04:56:49.0
3639	M1O	03-359/05:07:02.6		NOTE: ENTER HGA KEEP OUT ZONE		
3640	M1O	03-359/05:08:48.5		NOTE: Exit Solar Eclipse 8997		03-359/05:00:03.8
3641	M1O	03-359/05:09:33.6		NOTE: EXIT HGA PARK		
3642	M1O	03-359/05:14:30.3		NOTE: Enter Planetary Atmosphere 8997		03-359/05:05:45.6
3643	M1O	03-359/05:15:55.6		NOTE: Enter Earth Occultation 8997		03-359/05:07:10.9
3644	M1O	03-359/05:16:58.0		NOTE: North Pole Crossing 8997		03-359/05:08:13.3
3645	M1O	03-359/05:19:14.8		NOTE: Apoapsis 8997 -		03-359/05:10:30.1
3646	M1O	03-359/05:19:18.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3647	M1O	03-359/05:20:00.0	45	Begin Pre-Cal		
3648	M1O	03-359/05:20:00.0	45	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
3649	M1O	03-359/05:20:00.0	45	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
3650	M1O	03-359/05:20:00.0	45	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
3651	M1O	03-359/05:20:00.0	45	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
3652	M1O	03-359/05:20:00.0	45	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
3653	M1O	03-359/05:20:00.0	45	Config: RCV: Parms:		
3654	M1O	03-359/05:20:00.0	45	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
3655	M1O	03-359/05:20:00.0	45	Config: TGC: BAND=X, SR=79632.000000		
3656	M1O	03-359/05:20:00.0	45	Config: TXL		
3657	M1O	03-359/05:20:00.0	45	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
3658	M1O	03-359/05:20:00.0	45	Config: CMD		
3659	M1O	03-359/05:24:18.0	26	Range Modulation On: SUP=3.0dB		
3660	M1O	03-359/05:25:03.7		SPAWN, Engine = 65535, Parameters = 359, 01, TRUE, 00:32:00, 056, FALSE, 32_KPS,	uhf	03-359/05:16:19.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				00:01:00, 00:02:00		
3661	M1O	03-359/05:25:04.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-359/05:16:20.1
3662	M1O	03-359/05:25:06.8		CALL, Engine = , Parameters = 56	get_cmd_opt	03-359/05:16:22.1
3663	M1O	03-359/05:25:07.1		CALL, Engine = , Parameters = 359, 01, 056	bld_autosw	03-359/05:16:22.4
3664	M1O	03-359/05:25:08.2		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-359/05:16:23.5
3665	M1O	03-359/05:25:09.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/05:16:24.6
3666	M1O	03-359/05:25:10.3		Deletes the designated file.: d:/dat/056_doy359_pass01_file01.dat	FILE_DELETE	03-359/05:16:25.6
3667	M1O	03-359/05:25:11.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/05:16:26.7
3668	M1O	03-359/05:25:12.4		Deletes the designated file.: d:/dat/056_doy359_pass01_file02.dat	FILE_DELETE	03-359/05:16:27.7
3669	M1O	03-359/05:25:13.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/05:16:28.8
3670	M1O	03-359/05:25:14.5		Deletes the designated file.: d:/dat/056_doy359_pass01_file03.dat	FILE_DELETE	03-359/05:16:29.8
3671	M1O	03-359/05:25:15.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/05:16:30.9
3672	M1O	03-359/05:25:16.6		Deletes the designated file.: d:/dat/056_doy359_pass01_file04.dat	FILE_DELETE	03-359/05:16:31.9
3673	M1O	03-359/05:25:17.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/05:16:33.0
3674	M1O	03-359/05:25:18.0	26	Begin Ranging Acquisition		
3675	M1O	03-359/05:25:18.7		Deletes the designated file.: d:/dat/056_doy359_pass01_file05.dat	FILE_DELETE	03-359/05:16:34.0
3676	M1O	03-359/05:25:19.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/05:16:35.1
3677	M1O	03-359/05:25:20.8		Deletes the designated file.: d:/dat/056_doy359_pass01_file06.dat	FILE_DELETE	03-359/05:16:36.1
3678	M1O	03-359/05:25:21.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/05:16:37.2
3679	M1O	03-359/05:25:22.9		Deletes the designated file.: d:/dat/056_doy359_pass01_file07.dat	FILE_DELETE	03-359/05:16:38.2
3680	M1O	03-359/05:25:24.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/05:16:39.3
3681	M1O	03-359/05:25:25.0		Deletes the designated file.: d:/dat/056_doy359_pass01_file08.dat	FILE_DELETE	03-359/05:16:40.3
3682	M1O	03-359/05:25:26.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/05:16:41.4
3683	M1O	03-359/05:25:27.1		Deletes the designated file.: d:/dat/056_doy359_pass01_file09.dat	FILE_DELETE	03-359/05:16:42.4
3684	M1O	03-359/05:25:28.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/05:16:43.5
3685	M1O	03-359/05:25:29.2		Deletes the designated file.: d:/dat/056_doy359_pass01_file10.dat	FILE_DELETE	03-359/05:16:44.5
3686	M1O	03-359/05:25:30.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/05:16:45.6
3687	M1O	03-359/05:25:31.3		Deletes the designated file.: d:/dat/056_doy359_pass01_file11.dat	FILE_DELETE	03-359/05:16:46.6
3688	M1O	03-359/05:25:32.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/05:16:47.7
3689	M1O	03-359/05:25:33.4		Deletes the designated file.: d:/dat/056_doy359_pass01_file12.dat	FILE_DELETE	03-359/05:16:48.7
3690	M1O	03-359/05:25:34.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/05:16:49.8
3691	M1O	03-359/05:25:35.5		Deletes the designated file.: d:/dat/056_doy359_pass01_file13.dat	FILE_DELETE	03-359/05:16:50.8
3692	M1O	03-359/05:25:36.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/05:16:51.9
3693	M1O	03-359/05:25:37.6		Deletes the designated file.: d:/dat/056_doy359_pass01_file14.dat	FILE_DELETE	03-359/05:16:52.9
3694	M1O	03-359/05:25:38.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/05:16:54.0
3695	M1O	03-359/05:25:39.7		Deletes the designated file.: d:/dat/056_doy359_pass01_file15.dat	FILE_DELETE	03-359/05:16:55.0
3696	M1O	03-359/05:25:40.8		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-359/05:16:56.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy359_pass01_file16.dat, d:/dat/autoswitch.dat		
3697	M1O	03-359/05:25:41.8		Deletes the designated file.: d:/dat/056_doy359_pass01_file16.dat	FILE_DELETE	03-359/05:16:57.1
3698	M1O	03-359/05:25:42.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/05:16:58.2
3699	M1O	03-359/05:25:43.9		Deletes the designated file.: d:/dat/056_doy359_pass01_file17.dat	FILE_DELETE	03-359/05:16:59.2
3700	M1O	03-359/05:25:45.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/05:17:00.3
3701	M1O	03-359/05:25:46.0		Deletes the designated file.: d:/dat/056_doy359_pass01_file18.dat	FILE_DELETE	03-359/05:17:01.3
3702	M1O	03-359/05:25:47.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/05:17:02.4
3703	M1O	03-359/05:25:48.1		Deletes the designated file.: d:/dat/056_doy359_pass01_file19.dat	FILE_DELETE	03-359/05:17:03.4
3704	M1O	03-359/05:25:49.1		CALL, Engine = , Parameters = 56	get_apid	03-359/05:17:04.4
3705	M1O	03-359/05:25:50.2		CALL, Engine = , Parameters = 56	get_rcv_mode	03-359/05:17:05.5
3706	M1O	03-359/05:25:50.4		CALL, Engine = , Parameters = 56	get_dl_rate	03-359/05:17:05.7
3707	M1O	03-359/05:25:51.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-359/05:17:06.8
3708	M1O	03-359/05:25:52.7		CALL, Engine = , Parameters = 56	get_coding	03-359/05:17:08.0
3709	M1O	03-359/05:25:53.9		CALL, Engine = , Parameters = 56	get_xmt_mode	03-359/05:17:09.2
3710	M1O	03-359/05:25:55.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-359/05:17:10.4
3711	M1O	03-359/05:26:59.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-359/05:18:15.2
3712	M1O	03-359/05:27:00.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-359/05:18:16.2
3713	M1O	03-359/05:27:01.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-359/05:18:17.2
3714	M1O	03-359/05:27:02.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-359/05:18:18.2
3715	M1O	03-359/05:27:03.9		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-359/05:18:19.2
3716	M1O	03-359/05:27:04.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-359/05:18:20.2
3717	M1O	03-359/05:27:05.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/05:18:21.2
3718	M1O	03-359/05:27:55.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-359/05:19:11.2
3719	M1O	03-359/05:28:05.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-359/05:19:21.2
3720	M1O	03-359/05:28:42.7		NOTE: EXIT HGA KEEP OUT ZONE		
3721	M1O	03-359/05:30:06.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/05:21:22.2
3722	M1O	03-359/05:30:07.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/05:21:23.2
3723	M1O	03-359/05:32:06.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/05:23:22.2
3724	M1O	03-359/05:32:07.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/05:23:23.2
3725	M1O	03-359/05:34:06.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/05:25:22.2
3726	M1O	03-359/05:34:07.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/05:25:23.2
3727	M1O	03-359/05:35:49.6		SPAWN, Engine = 65535, Parameters = 00:05:31.757	cstr	03-359/05:27:04.9
3728	M1O	03-359/05:35:49.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-359/05:27:05.0
3729	M1O	03-359/05:35:50.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-359/05:27:06.0
3730	M1O	03-359/05:35:51.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-359/05:27:07.0
3731	M1O	03-359/05:35:52.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-359/05:27:08.0
3732	M1O	03-359/05:35:53.7		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-359/05:27:09.0
3733	M1O	03-359/05:36:03.7		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-359/05:27:19.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3734	M1O	03-359/05:36:06.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/05:27:22.2
3735	M1O	03-359/05:36:07.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/05:27:23.2
3736	M1O	03-359/05:36:13.7		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-359/05:27:29.0
3737	M1O	03-359/05:36:14.6		NOTE: Exit Earth Occultation 8997		03-359/05:27:29.9
3738	M1O	03-359/05:36:14.6	26	Acquisition Of X-Band Signal		
3739	M1O	03-359/05:36:14.6	26	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3740	M1O	03-359/05:36:47.4	26	Acquire D/L: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3741	M1O	03-359/05:37:40.9		NOTE: Exit Planetary Atmosphere 8997		03-359/05:28:56.1
3742	M1O	03-359/05:38:06.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/05:29:22.2
3743	M1O	03-359/05:38:07.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/05:29:23.2
3744	M1O	03-359/05:40:06.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/05:31:22.2
3745	M1O	03-359/05:40:07.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/05:31:23.2
3746	M1O	03-359/05:41:45.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-359/05:33:00.7
3747	M1O	03-359/05:41:46.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-359/05:33:01.7
3748	M1O	03-359/05:41:46.5	26	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3749	M1O	03-359/05:41:47.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-359/05:33:02.7
3750	M1O	03-359/05:41:47.4	26	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3751	M1O	03-359/05:41:47.5		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-359/05:33:02.7
3752	M1O	03-359/05:42:06.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/05:33:22.2
3753	M1O	03-359/05:42:07.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/05:33:23.2
3754	M1O	03-359/05:44:06.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/05:35:22.2
3755	M1O	03-359/05:44:07.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/05:35:23.2
3756	M1O	03-359/05:46:06.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/05:37:22.2
3757	M1O	03-359/05:46:07.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/05:37:23.2
3758	M1O	03-359/05:46:56.2		NOTE: Descending Node Crossing 8998		03-359/05:38:11.4
3759	M1O	03-359/05:48:06.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/05:39:22.2
3760	M1O	03-359/05:48:07.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/05:39:23.2
3761	M1O	03-359/05:50:06.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/05:41:22.2
3762	M1O	03-359/05:50:07.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/05:41:23.2
3763	M1O	03-359/05:52:07.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/05:43:22.2
3764	M1O	03-359/05:52:08.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/05:43:23.2
3765	M1O	03-359/05:54:07.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/05:45:22.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3766	M1O	03-359/05:54:08.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/05:45:23.2
3767	M1O	03-359/05:56:07.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/05:47:22.2
3768	M1O	03-359/05:56:08.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/05:47:23.2
3769	M1O	03-359/05:58:07.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/05:49:22.2
3770	M1O	03-359/05:58:08.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/05:49:23.2
3771	M1O	03-359/05:59:04.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/05:50:19.2
3772	M1O	03-359/05:59:05.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-359/05:50:20.3
3773	M1O	03-359/05:59:15.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-359/05:50:30.3
3774	M1O	03-359/05:59:16.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-359/05:50:31.3
3775	M1O	03-359/05:59:17.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-359/05:50:32.3
3776	M1O	03-359/05:59:17.1	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3777	M1O	03-359/05:59:18.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-359/05:50:33.3
3778	M1O	03-359/06:04:16.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-359/05:55:32.0
3779	M1O	03-359/06:04:16.8	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3780	M1O	03-359/06:16:17.4		NOTE: South Pole Crossing 8998		03-359/06:07:32.6
3781	M1O	03-359/06:17:40.3		NOTE: Periapsis 8998 ----------		03-359/06:08:55.4
3782	M1O	03-359/06:32:45.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
3783	M1O	03-359/06:35:00.0	45	Begin Tracking		
3784	M1O	03-359/06:35:00.0	45	Acquire D/L: X/08, 3-Way/26, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3785	M1O	03-359/06:42:45.0	26	Range Modulation Off		
3786	M1O	03-359/06:45:00.3		NOTE: Enter Solar Eclipse 8998		03-359/06:36:15.3
3787	M1O	03-359/06:45:35.3		NOTE: Ascending Node Crossing 8998		03-359/06:36:50.3
3788	M1O	03-359/06:47:45.0	26	X-Band Transmitter Off		
3789	M1O	03-359/06:57:29.9	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
3790	M1O	03-359/07:04:12.7		SPAWN, Engine = 65535, Parameters = 3, 00:35:31.360, 1	dpt	03-359/06:55:27.7
3791	M1O	03-359/07:04:14.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-359/06:55:29.8
3792	M1O	03-359/07:04:14.8	45	D/L Change: X/08, 3-Way/26, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3793	M1O	03-359/07:04:14.8	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3794	M1O	03-359/07:04:15.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-359/06:55:30.8
3795	M1O	03-359/07:05:14.9	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3796	M1O	03-359/07:05:14.9	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3797	M1O	03-359/07:05:16.0		NOTE: ENTER HGA KEEP OUT ZONE		
3798	M1O	03-359/07:05:16.0	45	NOTE: Loss Of X-Band Signal		
3799	M1O	03-359/07:05:16.0	26	NOTE: Loss Of X-Band Signal		
3800	M1O	03-359/07:07:17.0	26	NOTE: Below Uplink Interlock Limit		
3801	M1O	03-359/07:07:21.2		NOTE: Exit Solar Eclipse 8998		03-359/06:58:36.2
3802	M1O	03-359/07:08:45.0		SPAWN, Engine = 65535, Parameters =	scdiag	03-359/07:00:00.0
3803	M1O	03-359/07:08:46.1		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	03-359/07:00:01.1
3804	M1O	03-359/07:08:47.1		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	03-359/07:00:02.1
3805	M1O	03-359/07:09:48.0		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-359/07:01:03.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3806	M1O	03-359/07:09:48.2		NOTE: Start Block fsw_diag		03-359/07:01:03.2
3807	M1O	03-359/07:09:49.2		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	03-359/07:01:04.2
3808	M1O	03-359/07:09:50.2		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	03-359/07:01:05.2
3809	M1O	03-359/07:10:01.2		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	03-359/07:01:16.2
3810	M1O	03-359/07:10:31.2		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	03-359/07:01:46.2
3811	M1O	03-359/07:10:51.2		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	03-359/07:02:06.2
3812	M1O	03-359/07:11:01.2		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	03-359/07:02:16.2
3813	M1O	03-359/07:11:21.2		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	03-359/07:02:36.2
3814	M1O	03-359/07:11:31.2		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	03-359/07:02:46.2
3815	M1O	03-359/07:11:36.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	03-359/07:02:51.2
3816	M1O	03-359/07:11:41.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	03-359/07:02:56.2
3817	M1O	03-359/07:11:46.2		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	03-359/07:03:01.2
3818	M1O	03-359/07:11:51.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	03-359/07:03:06.2
3819	M1O	03-359/07:11:56.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	03-359/07:03:11.2
3820	M1O	03-359/07:12:36.2		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	03-359/07:03:51.2
3821	M1O	03-359/07:12:41.2		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	03-359/07:03:56.2
3822	M1O	03-359/07:12:46.2		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	03-359/07:04:01.2
3823	M1O	03-359/07:12:51.2		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	03-359/07:04:06.2
3824	M1O	03-359/07:12:56.2		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	03-359/07:04:11.2
3825	M1O	03-359/07:12:57.2		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	03-359/07:04:12.2
3826	M1O	03-359/07:12:58.2		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	03-359/07:04:13.2
3827	M1O	03-359/07:12:59.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-359/07:04:14.2
3828	M1O	03-359/07:12:59.2		NOTE: Enter Planetary Atmosphere 8998		03-359/07:04:14.2
3829	M1O	03-359/07:13:10.2		NOTE: End Block fsw_diag.mod		03-359/07:04:25.2
3830	M1O	03-359/07:14:24.3		NOTE: Enter Earth Occultation 8998		03-359/07:05:39.2
3831	M1O	03-359/07:15:00.0	26	End Tracking		
3832	M1O	03-359/07:15:29.2		NOTE: North Pole Crossing 8998		03-359/07:06:44.2
3833	M1O	03-359/07:17:32.8		NOTE: Apoapsis 8998 -		03-359/07:08:47.8
3834	M1O	03-359/07:17:48.0	45	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3835	M1O	03-359/07:27:16.0		NOTE: EXIT HGA KEEP OUT ZONE		
3836	M1O	03-359/07:30:00.0	26	End Post-Cal		
3837	M1O	03-359/07:34:46.2		NOTE: Exit Earth Occultation 8998		03-359/07:26:01.1
3838	M1O	03-359/07:34:46.2	45	Acquisition Of X-Band Signal		
3839	M1O	03-359/07:34:46.2	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3840	M1O	03-359/07:35:18.1	45	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3841	M1O	03-359/07:36:12.2		NOTE: Exit Planetary Atmosphere 8998		03-359/07:27:27.1
3842	M1O	03-359/07:39:46.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-359/07:31:01.2
3843	M1O	03-359/07:39:46.3	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3844	M1O	03-359/07:39:47.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-359/07:31:02.2
3845	M1O	03-359/07:45:26.5		NOTE: Descending Node Crossing 8999		03-359/07:36:41.3
3846	M1O	03-359/08:14:48.3		NOTE: South Pole Crossing 8999		03-359/08:06:03.1
3847	M1O	03-359/08:16:00.7		NOTE: Periapsis 8999 ----------		03-359/08:07:15.4
3848	M1O	03-359/08:31:15.0	45	NOTE: X-Band Transmitter Off in 15 minutes		
3849	M1O	03-359/08:43:33.4		NOTE: Enter Solar Eclipse 8999		03-359/08:34:48.1
3850	M1O	03-359/08:44:07.3		NOTE: Ascending Node Crossing 8999		03-359/08:35:22.0
3851	M1O	03-359/08:46:15.0	45	X-Band Transmitter Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3852	M1O	03-359/09:02:44.3		SPAWN, Engine = 65535, Parameters = 3, 00:35:28.573, 1	dpt	03-359/08:53:59.0
3853	M1O	03-359/09:02:46.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-359/08:54:01.1
3854	M1O	03-359/09:02:46.4	45	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3855	M1O	03-359/09:02:47.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-359/08:54:02.1
3856	M1O	03-359/09:03:45.6	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3857	M1O	03-359/09:03:46.3		NOTE: ENTER HGA KEEP OUT ZONE		
3858	M1O	03-359/09:03:46.3	45	NOTE: Loss Of X-Band Signal		
3859	M1O	03-359/09:05:49.6		NOTE: Exit Solar Eclipse 8999		03-359/08:57:04.2
3860	M1O	03-359/09:11:35.5		NOTE: Enter Planetary Atmosphere 8999		03-359/09:02:50.1
3861	M1O	03-359/09:13:01.1		NOTE: Enter Earth Occultation 8999		03-359/09:04:15.7
3862	M1O	03-359/09:14:01.7		NOTE: North Pole Crossing 8999		03-359/09:05:16.3
3863	M1O	03-359/09:15:00.0	34	Begin Pre-Cal		
3864	M1O	03-359/09:15:00.0	34	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
3865	M1O	03-359/09:15:00.0	34	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
3866	M1O	03-359/09:15:00.0	34	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
3867	M1O	03-359/09:15:00.0	34	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
3868	M1O	03-359/09:15:00.0	34	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
3869	M1O	03-359/09:15:00.0	34	Config: RCV: Parms:		
3870	M1O	03-359/09:15:00.0	34	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
3871	M1O	03-359/09:15:00.0	34	Config: TGC: BAND=X, SR=79632.000000		
3872	M1O	03-359/09:15:00.0	34	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
3873	M1O	03-359/09:16:12.3		NOTE: Apoapsis 8999 -		03-359/09:07:26.9
3874	M1O	03-359/09:25:46.4		NOTE: EXIT HGA KEEP OUT ZONE		
3875	M1O	03-359/09:33:15.0		NOTE: Exit Earth Occultation 8999		03-359/09:24:29.5
3876	M1O	03-359/09:33:15.0	45	Acquisition Of X-Band Signal		
3877	M1O	03-359/09:33:15.0	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3878	M1O	03-359/09:34:41.6		NOTE: Exit Planetary Atmosphere 8999		03-359/09:25:56.1
3879	M1O	03-359/09:38:15.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-359/09:29:29.6
3880	M1O	03-359/09:38:15.1	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3881	M1O	03-359/09:38:16.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-359/09:29:30.6
3882	M1O	03-359/09:43:59.4		NOTE: Descending Node Crossing 9000		03-359/09:35:13.9
3883	M1O	03-359/10:13:21.9		NOTE: South Pole Crossing 9000		03-359/10:04:36.3
3884	M1O	03-359/10:14:38.8		NOTE: Periapsis 9000 ----------		03-359/10:05:53.2
3885	M1O	03-359/10:15:00.0	34	Begin Tracking		
3886	M1O	03-359/10:15:00.0	34	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3887	M1O	03-359/10:30:00.0	45	End Tracking		
3888	M1O	03-359/10:42:08.0		NOTE: Enter Solar Eclipse 9000		03-359/10:33:22.3
3889	M1O	03-359/10:42:41.6		NOTE: Ascending Node Crossing 9000		03-359/10:33:55.9
3890	M1O	03-359/10:45:00.0	45	End Post-Cal		
3891	M1O	03-359/11:01:37.7		SPAWN, Engine = 65535, Parameters = 3, 00:35:07.388, 1	dpt	03-359/10:52:52.0
3892	M1O	03-359/11:01:39.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-359/10:52:54.1
3893	M1O	03-359/11:01:39.8	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3894	M1O	03-359/11:01:40.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-359/10:52:55.1
3895	M1O	03-359/11:02:39.7		NOTE: ENTER HGA KEEP OUT ZONE		
3896	M1O	03-359/11:02:39.7	34	NOTE: Loss Of X-Band Signal		
3897	M1O	03-359/11:04:19.4		NOTE: Exit Solar Eclipse 9000		03-359/10:55:33.6
3898	M1O	03-359/11:10:16.5		NOTE: Enter Planetary Atmosphere 9000		03-359/11:01:30.8
3899	M1O	03-359/11:11:42.8		NOTE: Enter Earth Occultation 9000		03-359/11:02:57.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3900	M1O	03-359/11:12:37.3		NOTE: North Pole Crossing 9000		03-359/11:03:51.5
3901	M1O	03-359/11:14:46.3		NOTE: Apoapsis 9000 -		03-359/11:06:00.5
3902	M1O	03-359/11:24:19.8		NOTE: EXIT HGA KEEP OUT ZONE		
3903	M1O	03-359/11:25:00.0	55	Begin Pre-Cal		
3904	M1O	03-359/11:25:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
3905	M1O	03-359/11:25:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
3906	M1O	03-359/11:25:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
3907	M1O	03-359/11:25:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
3908	M1O	03-359/11:25:00.0	55	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
3909	M1O	03-359/11:25:00.0	55	Config: RCV: Parms:		
3910	M1O	03-359/11:25:00.0	55	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
3911	M1O	03-359/11:25:00.0	55	Config: TGC: BAND=X, SR=79632.000000		
3912	M1O	03-359/11:25:00.0	55	Config: TXL		
3913	M1O	03-359/11:25:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
3914	M1O	03-359/11:25:00.0	55	Config: CMD		
3915	M1O	03-359/11:25:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
3916	M1O	03-359/11:31:47.2		NOTE: Exit Earth Occultation 9000		03-359/11:23:01.3
3917	M1O	03-359/11:31:47.2	34	Acquisition Of X-Band Signal		
3918	M1O	03-359/11:31:47.2	34	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3919	M1O	03-359/11:33:14.4		NOTE: Exit Planetary Atmosphere 9000		03-359/11:24:28.6
3920	M1O	03-359/11:36:47.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-359/11:28:01.4
3921	M1O	03-359/11:36:47.3	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3922	M1O	03-359/11:36:48.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-359/11:28:02.4
3923	M1O	03-359/11:42:36.4		NOTE: Descending Node Crossing 9001		03-359/11:33:50.5
3924	M1O	03-359/12:11:58.9		NOTE: South Pole Crossing 9001		03-359/12:03:12.9
3925	M1O	03-359/12:13:20.1		NOTE: Periapsis 9001 ----------		03-359/12:04:34.1
3926	M1O	03-359/12:40:43.8		NOTE: Enter Solar Eclipse 9001		03-359/12:31:57.8
3927	M1O	03-359/12:41:18.1		NOTE: Ascending Node Crossing 9001		03-359/12:32:32.0
3928	M1O	03-359/12:55:00.0	55	Begin Tracking		
3929	M1O	03-359/12:55:00.0	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3930	M1O	03-359/13:00:14.1		SPAWN, Engine = 65535, Parameters = 3, 00:35:38.839, 1	dpt	03-359/12:51:28.0
3931	M1O	03-359/13:00:16.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-359/12:51:30.1
3932	M1O	03-359/13:00:16.2	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3933	M1O	03-359/13:00:16.2	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3934	M1O	03-359/13:00:17.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-359/12:51:31.1
3935	M1O	03-359/13:01:16.1		NOTE: ENTER HGA KEEP OUT ZONE		
3936	M1O	03-359/13:01:16.1	34	NOTE: Loss Of X-Band Signal		
3937	M1O	03-359/13:01:16.1	55	NOTE: Loss Of X-Band Signal		
3938	M1O	03-359/13:02:53.8		NOTE: Exit Solar Eclipse 9001		03-359/12:54:07.7
3939	M1O	03-359/13:08:29.0	55	NOTE: Above Uplink Interlock Limit		
3940	M1O	03-359/13:08:54.9		NOTE: Enter Planetary Atmosphere 9001		03-359/13:00:08.8
3941	M1O	03-359/13:10:21.3		NOTE: Enter Earth Occultation 9001		03-359/13:01:35.2
3942	M1O	03-359/13:11:14.1		NOTE: North Pole Crossing 9001		03-359/13:02:28.0
3943	M1O	03-359/13:11:51.0	34	NOTE: Below Uplink Interlock Limit		
3944	M1O	03-359/13:13:13.4		NOTE: Apoapsis 9001 -		03-359/13:04:27.3
3945	M1O	03-359/13:13:23.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3946	M1O	03-359/13:15:00.0	34	End Tracking		
3947	M1O	03-359/13:18:23.0	55	Range Modulation On: SUP=3.0dB		
3948	M1O	03-359/13:19:23.0	55	Begin Ranging Acquisition		
3949	M1O	03-359/13:22:56.1		NOTE: EXIT HGA KEEP OUT ZONE		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3950	M1O	03-359/13:30:00.0	34	End Post-Cal		
3951	M1O	03-359/13:30:23.3		NOTE: Exit Earth Occultation 9001		03-359/13:21:37.1
3952	M1O	03-359/13:30:23.3	55	Acquisition Of X-Band Signal		
3953	M1O	03-359/13:30:23.3	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3954	M1O	03-359/13:30:55.2	55	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3955	M1O	03-359/13:31:50.7		NOTE: Exit Planetary Atmosphere 9001		03-359/13:23:04.5
3956	M1O	03-359/13:35:55.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-359/13:27:08.9
3957	M1O	03-359/13:35:55.1	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3958	M1O	03-359/13:35:56.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-359/13:27:09.9
3959	M1O	03-359/13:41:13.6		NOTE: Descending Node Crossing 9002		03-359/13:32:27.4
3960	M1O	03-359/14:10:36.1		NOTE: South Pole Crossing 9002		03-359/14:01:49.8
3961	M1O	03-359/14:11:53.1		NOTE: Periapsis 9002 ----------		03-359/14:03:06.7
3962	M1O	03-359/14:27:20.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
3963	M1O	03-359/14:37:20.0	55	Range Modulation Off		
3964	M1O	03-359/14:39:20.6		NOTE: Enter Solar Eclipse 9002		03-359/14:30:34.2
3965	M1O	03-359/14:39:55.2		NOTE: Ascending Node Crossing 9002		03-359/14:31:08.8
3966	M1O	03-359/14:42:20.0	55	X-Band Transmitter Off		
3967	M1O	03-359/14:58:50.3		SPAWN, Engine = 65535, Parameters = 3, 00:35:40, 1	dpt	03-359/14:50:03.8
3968	M1O	03-359/14:58:52.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-359/14:50:05.9
3969	M1O	03-359/14:58:52.4	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3970	M1O	03-359/14:58:53.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-359/14:50:06.9
3971	M1O	03-359/14:59:52.8	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3972	M1O	03-359/14:59:53.4		NOTE: ENTER HGA KEEP OUT ZONE		
3973	M1O	03-359/14:59:53.4	55	NOTE: Loss Of X-Band Signal		
3974	M1O	03-359/15:01:31.7		NOTE: Exit Solar Eclipse 9002		03-359/14:52:45.2
3975	M1O	03-359/15:07:28.7		NOTE: Enter Planetary Atmosphere 9002		03-359/14:58:42.2
3976	M1O	03-359/15:08:54.8		NOTE: Enter Earth Occultation 9002		03-359/15:00:08.3
3977	M1O	03-359/15:09:50.6		NOTE: North Pole Crossing 9002		03-359/15:01:04.1
3978	M1O	03-359/15:11:35.5		NOTE: Apoapsis 9002 -		03-359/15:02:49.0
3979	M1O	03-359/15:12:00.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3980	M1O	03-359/15:17:00.0	55	Range Modulation On: SUP=3.0dB		
3981	M1O	03-359/15:18:00.0	55	Begin Ranging Acquisition		
3982	M1O	03-359/15:21:33.5		NOTE: EXIT HGA KEEP OUT ZONE		
3983	M1O	03-359/15:29:01.2		NOTE: Exit Earth Occultation 9002		03-359/15:20:14.6
3984	M1O	03-359/15:29:01.2	55	Acquisition Of X-Band Signal		
3985	M1O	03-359/15:29:01.2	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3986	M1O	03-359/15:29:33.0	55	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3987	M1O	03-359/15:30:28.2		NOTE: Exit Planetary Atmosphere 9002		03-359/15:21:41.7
3988	M1O	03-359/15:34:32.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-359/15:25:45.9
3989	M1O	03-359/15:34:32.5	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3990	M1O	03-359/15:34:33.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-359/15:25:46.9
3991	M1O	03-359/15:39:49.2		NOTE: Descending Node Crossing 9003		03-359/15:31:02.6
3992	M1O	03-359/16:09:11.7		NOTE: South Pole Crossing 9003		03-359/16:00:25.0
3993	M1O	03-359/16:10:31.9		NOTE: Periapsis 9003 ----------		03-359/16:01:45.2
3994	M1O	03-359/16:25:55.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
3995	M1O	03-359/16:33:39.7		SPAWN, Engine = 65535, Parameters = 359, 02, TRUE, 00:15:25.478, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-359/16:24:53.0
3996	M1O	03-359/16:33:40.2		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	03-359/16:24:53.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
3997	M1O	03-359/16:33:40.2	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3998	M1O	03-359/16:33:40.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-359/16:24:54.1
3999	M1O	03-359/16:33:42.8		CALL, Engine = , Parameters = 56	get_cmd_opt	03-359/16:24:56.1
4000	M1O	03-359/16:33:43.1		CALL, Engine = , Parameters = 359, 02, 056	bld_autosw	03-359/16:24:56.4
4001	M1O	03-359/16:33:44.2		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-359/16:24:57.5
4002	M1O	03-359/16:33:45.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/16:24:58.6
4003	M1O	03-359/16:33:46.3		Deletes the designated file.: d:/dat/056_doy359_pass02_file01.dat	FILE_DELETE	03-359/16:24:59.6
4004	M1O	03-359/16:33:47.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/16:25:00.7
4005	M1O	03-359/16:33:48.4		Deletes the designated file.: d:/dat/056_doy359_pass02_file02.dat	FILE_DELETE	03-359/16:25:01.7
4006	M1O	03-359/16:33:49.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/16:25:02.8
4007	M1O	03-359/16:33:50.5		Deletes the designated file.: d:/dat/056_doy359_pass02_file03.dat	FILE_DELETE	03-359/16:25:03.8
4008	M1O	03-359/16:33:51.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/16:25:04.9
4009	M1O	03-359/16:33:52.6		Deletes the designated file.: d:/dat/056_doy359_pass02_file04.dat	FILE_DELETE	03-359/16:25:05.9
4010	M1O	03-359/16:33:53.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/16:25:07.0
4011	M1O	03-359/16:33:54.7		Deletes the designated file.: d:/dat/056_doy359_pass02_file05.dat	FILE_DELETE	03-359/16:25:08.0
4012	M1O	03-359/16:33:55.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/16:25:09.1
4013	M1O	03-359/16:33:56.8		Deletes the designated file.: d:/dat/056_doy359_pass02_file06.dat	FILE_DELETE	03-359/16:25:10.1
4014	M1O	03-359/16:33:57.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/16:25:11.2
4015	M1O	03-359/16:33:58.9		Deletes the designated file.: d:/dat/056_doy359_pass02_file07.dat	FILE_DELETE	03-359/16:25:12.2
4016	M1O	03-359/16:34:00.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/16:25:13.3
4017	M1O	03-359/16:34:01.0		Deletes the designated file.: d:/dat/056_doy359_pass02_file08.dat	FILE_DELETE	03-359/16:25:14.3
4018	M1O	03-359/16:34:02.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/16:25:15.4
4019	M1O	03-359/16:34:03.1		Deletes the designated file.: d:/dat/056_doy359_pass02_file09.dat	FILE_DELETE	03-359/16:25:16.4
4020	M1O	03-359/16:34:04.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/16:25:17.5
4021	M1O	03-359/16:34:05.2		Deletes the designated file.: d:/dat/056_doy359_pass02_file10.dat	FILE_DELETE	03-359/16:25:18.5
4022	M1O	03-359/16:34:06.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/16:25:19.6
4023	M1O	03-359/16:34:07.3		Deletes the designated file.: d:/dat/056_doy359_pass02_file11.dat	FILE_DELETE	03-359/16:25:20.6
4024	M1O	03-359/16:34:08.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/16:25:21.7
4025	M1O	03-359/16:34:09.4		Deletes the designated file.: d:/dat/056_doy359_pass02_file12.dat	FILE_DELETE	03-359/16:25:22.7
4026	M1O	03-359/16:34:10.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/16:25:23.8
4027	M1O	03-359/16:34:11.5		Deletes the designated file.: d:/dat/056_doy359_pass02_file13.dat	FILE_DELETE	03-359/16:25:24.8
4028	M1O	03-359/16:34:12.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/16:25:25.9
4029	M1O	03-359/16:34:13.6		Deletes the designated file.: d:/dat/056_doy359_pass02_file14.dat	FILE_DELETE	03-359/16:25:26.9
4030	M1O	03-359/16:34:14.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/16:25:28.0
4031	M1O	03-359/16:34:15.7		Deletes the designated file.: d:/dat/056_doy359_pass02_file15.dat	FILE_DELETE	03-359/16:25:29.0
4032	M1O	03-359/16:34:16.8		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-359/16:25:30.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy359_pass02_file16.dat, d:/dat/autoswitch.dat		
4033	M1O	03-359/16:34:17.8		Deletes the designated file.: d:/dat/056_doy359_pass02_file16.dat	FILE_DELETE	03-359/16:25:31.1
4034	M1O	03-359/16:34:18.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/16:25:32.2
4035	M1O	03-359/16:34:19.9		Deletes the designated file.: d:/dat/056_doy359_pass02_file17.dat	FILE_DELETE	03-359/16:25:33.2
4036	M1O	03-359/16:34:21.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/16:25:34.3
4037	M1O	03-359/16:34:22.0		Deletes the designated file.: d:/dat/056_doy359_pass02_file18.dat	FILE_DELETE	03-359/16:25:35.3
4038	M1O	03-359/16:34:23.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/16:25:36.4
4039	M1O	03-359/16:34:24.1		Deletes the designated file.: d:/dat/056_doy359_pass02_file19.dat	FILE_DELETE	03-359/16:25:37.4
4040	M1O	03-359/16:34:25.1		CALL, Engine = , Parameters = 56	get_apid	03-359/16:25:38.4
4041	M1O	03-359/16:34:26.2		CALL, Engine = , Parameters = 56	get_rcv_mode	03-359/16:25:39.5
4042	M1O	03-359/16:34:26.4		CALL, Engine = , Parameters = 56	get_dl_rate	03-359/16:25:39.7
4043	M1O	03-359/16:34:27.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-359/16:25:40.8
4044	M1O	03-359/16:34:28.7		CALL, Engine = , Parameters = 56	get_coding	03-359/16:25:42.0
4045	M1O	03-359/16:34:29.9		CALL, Engine = , Parameters = 56	get_xmt_mode	03-359/16:25:43.2
4046	M1O	03-359/16:34:31.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-359/16:25:44.4
4047	M1O	03-359/16:35:35.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-359/16:26:49.2
4048	M1O	03-359/16:35:36.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-359/16:26:50.2
4049	M1O	03-359/16:35:37.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-359/16:26:51.2
4050	M1O	03-359/16:35:38.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-359/16:26:52.2
4051	M1O	03-359/16:35:39.9		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-359/16:26:53.2
4052	M1O	03-359/16:35:40.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-359/16:26:54.2
4053	M1O	03-359/16:35:41.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/16:26:55.2
4054	M1O	03-359/16:35:55.0	55	Range Modulation Off		
4055	M1O	03-359/16:36:31.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-359/16:27:45.2
4056	M1O	03-359/16:36:41.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-359/16:27:55.2
4057	M1O	03-359/16:37:55.5		NOTE: Enter Solar Eclipse 9003		03-359/16:29:08.8
4058	M1O	03-359/16:38:30.7		NOTE: Ascending Node Crossing 9003		03-359/16:29:43.9
4059	M1O	03-359/16:38:42.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/16:29:56.2
4060	M1O	03-359/16:38:43.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/16:29:57.2
4061	M1O	03-359/16:40:42.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/16:31:56.2
4062	M1O	03-359/16:40:43.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/16:31:57.2
4063	M1O	03-359/16:40:55.0	55	X-Band Transmitter Off		
4064	M1O	03-359/16:42:42.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/16:33:56.2
4065	M1O	03-359/16:42:43.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/16:33:57.2
4066	M1O	03-359/16:44:42.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/16:35:56.2
4067	M1O	03-359/16:44:43.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/16:35:57.2
4068	M1O	03-359/16:46:42.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/16:37:56.2
4069	M1O	03-359/16:46:43.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	03-359/16:37:57.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				BYPASS_COD, PSK		
4070	M1O	03-359/16:48:42.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/16:39:56.2
4071	M1O	03-359/16:48:43.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/16:39:57.2
4072	M1O	03-359/16:50:43.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/16:41:56.2
4073	M1O	03-359/16:50:44.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/16:41:57.2
4074	M1O	03-359/16:51:05.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/16:42:18.6
4075	M1O	03-359/16:51:06.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-359/16:42:19.7
4076	M1O	03-359/16:51:16.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-359/16:42:29.7
4077	M1O	03-359/16:51:17.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-359/16:42:30.7
4078	M1O	03-359/16:51:18.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-359/16:42:31.7
4079	M1O	03-359/16:51:18.5	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4080	M1O	03-359/16:51:19.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-359/16:42:32.7
4081	M1O	03-359/16:56:18.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-359/16:47:31.4
4082	M1O	03-359/16:56:18.2	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4083	M1O	03-359/16:57:25.6		SPAWN, Engine = 65535, Parameters = 3, 00:35:41, 1	dpt	03-359/16:48:38.8
4084	M1O	03-359/16:57:27.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-359/16:48:40.9
4085	M1O	03-359/16:57:27.7	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4086	M1O	03-359/16:57:28.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-359/16:48:41.9
4087	M1O	03-359/16:58:28.5	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4088	M1O	03-359/16:58:28.8		NOTE: ENTER HGA KEEP OUT ZONE		
4089	M1O	03-359/16:58:28.8	55	NOTE: Loss Of X-Band Signal		
4090	M1O	03-359/17:00:10.0		NOTE: Exit Solar Eclipse 9003		03-359/16:51:23.2
4091	M1O	03-359/17:05:58.1		NOTE: Enter Planetary Atmosphere 9003		03-359/16:57:11.2
4092	M1O	03-359/17:07:23.7		NOTE: Enter Earth Occultation 9003		03-359/16:58:36.8
4093	M1O	03-359/17:08:25.0		NOTE: North Pole Crossing 9003		03-359/16:59:38.1
4094	M1O	03-359/17:10:15.8		NOTE: Apoapsis 9003 -		03-359/17:01:28.9
4095	M1O	03-359/17:10:36.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4096	M1O	03-359/17:15:36.0	55	Range Modulation On: SUP=3.0dB		
4097	M1O	03-359/17:16:36.0	55	Begin Ranging Acquisition		
4098	M1O	03-359/17:20:08.8		NOTE: EXIT HGA KEEP OUT ZONE		
4099	M1O	03-359/17:27:37.4		NOTE: Exit Earth Occultation 9003		03-359/17:18:50.5
4100	M1O	03-359/17:27:37.4	55	Acquisition Of X-Band Signal		
4101	M1O	03-359/17:27:37.4	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4102	M1O	03-359/17:28:09.7	55	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4103	M1O	03-359/17:29:04.0		NOTE: Exit Planetary Atmosphere 9003		03-359/17:20:17.1
4104	M1O	03-359/17:32:25.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
4105	M1O	03-359/17:33:08.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-359/17:24:21.9
4106	M1O	03-359/17:33:08.8	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4107	M1O	03-359/17:33:09.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-359/17:24:22.9
4108	M1O	03-359/17:38:22.4		NOTE: Descending Node Crossing 9004		03-359/17:29:35.4
4109	M1O	03-359/17:42:25.0	55	Range Modulation Off		
4110	M1O	03-359/17:47:25.0	55	X-Band Transmitter Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4111	M1O	03-359/17:47:26.0	55	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
4112	M1O	03-359/17:56:47.0		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-359/17:48:00.0
4113	M1O	03-359/17:57:02.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-357T17:48:00.100, 2003-359T17:48:00.100	PCKTS_RE_TX_TIME	03-359/17:48:15.8
4114	M1O	03-359/17:57:03.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-357T17:48:00.100, 2003-359T17:48:00.100	PCKTS_RE_TX_TIME	03-359/17:48:16.8
4115	M1O	03-359/17:57:04.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-357T17:48:00.100, 2003-359T17:48:00.100	PCKTS_RE_TX_TIME	03-359/17:48:17.8
4116	M1O	03-359/17:57:05.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-357T17:48:00.100, 2003-359T17:48:00.100	PCKTS_RE_TX_TIME	03-359/17:48:18.8
4117	M1O	03-359/17:57:06.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-357T17:48:00.100, 2003-359T17:48:00.100	PCKTS_RE_TX_TIME	03-359/17:48:19.8
4118	M1O	03-359/17:57:07.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-357T17:48:00.100, 2003-359T17:48:00.100	PCKTS_RE_TX_TIME	03-359/17:48:20.8
4119	M1O	03-359/17:57:07.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-359/17:48:20.8
4120	M1O	03-359/17:57:07.8	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4121	M1O	03-359/18:04:08.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-359/17:55:21.8
4122	M1O	03-359/18:04:08.8	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4123	M1O	03-359/18:04:09.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-359/17:55:22.8
4124	M1O	03-359/18:04:25.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-359/17:55:38.8
4125	M1O	03-359/18:04:25.8	55	D/L RF Warning: SC antenna change - expect signal level variation		
4126	M1O	03-359/18:04:26.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-359/17:55:39.8
4127	M1O	03-359/18:04:58.9	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4128	M1O	03-359/18:05:00.0	55	End Tracking		
4129	M1O	03-359/18:07:44.4		NOTE: South Pole Crossing 9004		03-359/17:58:57.3
4130	M1O	03-359/18:09:06.5		NOTE: Periapsis 9004 ----------		03-359/18:00:19.5
4131	M1O	03-359/18:20:00.0	55	End Post-Cal		
4132	M1O	03-359/18:29:28.1		SPAWN, Engine = 65535, Parameters = 359, 03, TRUE, 00:18:14.957, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-359/18:20:41.0
4133	M1O	03-359/18:29:29.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-359/18:20:42.1
4134	M1O	03-359/18:29:31.2		CALL, Engine = , Parameters = 56	get_cmd_opt	03-359/18:20:44.1
4135	M1O	03-359/18:29:31.5		CALL, Engine = , Parameters = 359, 03, 056	bld_autosw	03-359/18:20:44.4
4136	M1O	03-359/18:29:32.6		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-359/18:20:45.5
4137	M1O	03-359/18:29:33.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/18:20:46.6
4138	M1O	03-359/18:29:34.7		Deletes the designated file.: d:/dat/056_doy359_pass03_file01.dat	FILE_DELETE	03-359/18:20:47.6
4139	M1O	03-359/18:29:35.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/18:20:48.7
4140	M1O	03-359/18:29:36.8		Deletes the designated file.: d:/dat/056_doy359_pass03_file02.dat	FILE_DELETE	03-359/18:20:49.7
4141	M1O	03-359/18:29:37.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/18:20:50.8
4142	M1O	03-359/18:29:38.9		Deletes the designated file.: d:/dat/056_doy359_pass03_file03.dat	FILE_DELETE	03-359/18:20:51.8
4143	M1O	03-359/18:29:40.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/18:20:52.9
4144	M1O	03-359/18:29:41.0		Deletes the designated file.: d:/dat/056_doy359_pass03_file04.dat	FILE_DELETE	03-359/18:20:53.9
4145	M1O	03-359/18:29:42.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/18:20:55.0
4146	M1O	03-359/18:29:43.1		Deletes the designated file.: d:/dat/056_doy359_pass03_file05.dat	FILE_DELETE	03-359/18:20:56.0
4147	M1O	03-359/18:29:44.2		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-359/18:20:57.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy359_pass03_file06.dat, d:/dat/autoswitch.dat		
4148	M1O	03-359/18:29:45.2		Deletes the designated file.: d:/dat/056_doy359_pass03_file06.dat	FILE_DELETE	03-359/18:20:58.1
4149	M1O	03-359/18:29:46.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/18:20:59.2
4150	M1O	03-359/18:29:47.3		Deletes the designated file.: d:/dat/056_doy359_pass03_file07.dat	FILE_DELETE	03-359/18:21:00.2
4151	M1O	03-359/18:29:48.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/18:21:01.3
4152	M1O	03-359/18:29:49.4		Deletes the designated file.: d:/dat/056_doy359_pass03_file08.dat	FILE_DELETE	03-359/18:21:02.3
4153	M1O	03-359/18:29:50.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/18:21:03.4
4154	M1O	03-359/18:29:51.5		Deletes the designated file.: d:/dat/056_doy359_pass03_file09.dat	FILE_DELETE	03-359/18:21:04.4
4155	M1O	03-359/18:29:52.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/18:21:05.5
4156	M1O	03-359/18:29:53.6		Deletes the designated file.: d:/dat/056_doy359_pass03_file10.dat	FILE_DELETE	03-359/18:21:06.5
4157	M1O	03-359/18:29:54.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/18:21:07.6
4158	M1O	03-359/18:29:55.7		Deletes the designated file.: d:/dat/056_doy359_pass03_file11.dat	FILE_DELETE	03-359/18:21:08.6
4159	M1O	03-359/18:29:56.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/18:21:09.7
4160	M1O	03-359/18:29:57.8		Deletes the designated file.: d:/dat/056_doy359_pass03_file12.dat	FILE_DELETE	03-359/18:21:10.7
4161	M1O	03-359/18:29:58.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/18:21:11.8
4162	M1O	03-359/18:29:59.9		Deletes the designated file.: d:/dat/056_doy359_pass03_file13.dat	FILE_DELETE	03-359/18:21:12.8
4163	M1O	03-359/18:30:01.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/18:21:13.9
4164	M1O	03-359/18:30:02.0		Deletes the designated file.: d:/dat/056_doy359_pass03_file14.dat	FILE_DELETE	03-359/18:21:14.9
4165	M1O	03-359/18:30:03.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/18:21:16.0
4166	M1O	03-359/18:30:04.1		Deletes the designated file.: d:/dat/056_doy359_pass03_file15.dat	FILE_DELETE	03-359/18:21:17.0
4167	M1O	03-359/18:30:05.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/18:21:18.1
4168	M1O	03-359/18:30:06.2		Deletes the designated file.: d:/dat/056_doy359_pass03_file16.dat	FILE_DELETE	03-359/18:21:19.1
4169	M1O	03-359/18:30:07.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/18:21:20.2
4170	M1O	03-359/18:30:08.3		Deletes the designated file.: d:/dat/056_doy359_pass03_file17.dat	FILE_DELETE	03-359/18:21:21.2
4171	M1O	03-359/18:30:09.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/18:21:22.3
4172	M1O	03-359/18:30:10.4		Deletes the designated file.: d:/dat/056_doy359_pass03_file18.dat	FILE_DELETE	03-359/18:21:23.3
4173	M1O	03-359/18:30:11.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/18:21:24.4
4174	M1O	03-359/18:30:12.5		Deletes the designated file.: d:/dat/056_doy359_pass03_file19.dat	FILE_DELETE	03-359/18:21:25.4
4175	M1O	03-359/18:30:13.5		CALL, Engine = , Parameters = 56	get_apid	03-359/18:21:26.4
4176	M1O	03-359/18:30:14.6		CALL, Engine = , Parameters = 56	get_rcv_mode	03-359/18:21:27.5
4177	M1O	03-359/18:30:14.8		CALL, Engine = , Parameters = 56	get_dl_rate	03-359/18:21:27.7
4178	M1O	03-359/18:30:15.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-359/18:21:28.8
4179	M1O	03-359/18:30:17.1		CALL, Engine = , Parameters = 56	get_coding	03-359/18:21:30.0
4180	M1O	03-359/18:30:18.3		CALL, Engine = , Parameters = 56	get_xmt_mode	03-359/18:21:31.2
4181	M1O	03-359/18:30:19.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-359/18:21:32.4
4182	M1O	03-359/18:31:24.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-359/18:22:37.2
4183	M1O	03-359/18:31:25.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-359/18:22:38.2
4184	M1O	03-359/18:31:26.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-359/18:22:39.2
4185	M1O	03-359/18:31:27.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-359/18:22:40.2
4186	M1O	03-359/18:31:28.3		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-359/18:22:41.2
4187	M1O	03-359/18:31:29.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK,	UHF_RCV_MODE	03-359/18:22:42.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT		
4188	M1O	03-359/18:31:30.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/18:22:43.2
4189	M1O	03-359/18:32:20.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-359/18:23:33.2
4190	M1O	03-359/18:32:30.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-359/18:23:43.2
4191	M1O	03-359/18:34:31.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/18:25:44.2
4192	M1O	03-359/18:34:32.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/18:25:45.2
4193	M1O	03-359/18:36:27.0		NOTE: Enter Solar Eclipse 9004		03-359/18:27:39.9
4194	M1O	03-359/18:36:31.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/18:27:44.2
4195	M1O	03-359/18:36:32.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/18:27:45.2
4196	M1O	03-359/18:37:03.0		NOTE: Ascending Node Crossing 9004		03-359/18:28:15.9
4197	M1O	03-359/18:38:31.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/18:29:44.2
4198	M1O	03-359/18:38:32.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/18:29:45.2
4199	M1O	03-359/18:40:31.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/18:31:44.2
4200	M1O	03-359/18:40:32.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/18:31:45.2
4201	M1O	03-359/18:42:31.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/18:33:44.2
4202	M1O	03-359/18:42:32.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/18:33:45.2
4203	M1O	03-359/18:44:31.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/18:35:44.2
4204	M1O	03-359/18:44:32.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/18:35:45.2
4205	M1O	03-359/18:46:31.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/18:37:44.2
4206	M1O	03-359/18:46:32.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/18:37:45.2
4207	M1O	03-359/18:48:31.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/18:39:44.2
4208	M1O	03-359/18:48:32.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/18:39:45.2
4209	M1O	03-359/18:49:43.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-359/18:40:56.1
4210	M1O	03-359/18:49:44.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-359/18:40:57.2
4211	M1O	03-359/18:49:54.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-359/18:41:07.2
4212	M1O	03-359/18:49:55.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-359/18:41:08.2
4213	M1O	03-359/18:49:56.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-359/18:41:09.2
4214	M1O	03-359/18:49:57.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-359/18:41:10.2
4215	M1O	03-359/18:57:02.1		NOTE: ENTER HGA KEEP OUT ZONE		
4216	M1O	03-359/18:58:43.6		NOTE: Exit Solar Eclipse 9004		03-359/18:49:56.4
4217	M1O	03-359/19:04:27.7		NOTE: Enter Planetary Atmosphere 9004		03-359/18:55:40.5
4218	M1O	03-359/19:05:53.1		NOTE: Enter Earth Occultation 9004		03-359/18:57:05.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4219	M1O	03-359/19:06:56.9		NOTE: North Pole Crossing 9004		03-359/18:58:09.7
4220	M1O	03-359/19:08:59.1		NOTE: Apoapsis 9004 -		03-359/19:00:11.9
4221	M1O	03-359/19:18:42.2		NOTE: EXIT HGA KEEP OUT ZONE		
4222	M1O	03-359/19:26:09.9		NOTE: Exit Earth Occultation 9004		03-359/19:17:22.6
4223	M1O	03-359/19:27:36.3		NOTE: Exit Planetary Atmosphere 9004		03-359/19:18:49.0
4224	M1O	03-359/19:36:54.1		NOTE: Descending Node Crossing 9005		03-359/19:28:06.8
4225	M1O	03-359/20:06:15.2		NOTE: South Pole Crossing 9005		03-359/19:57:27.8
4226	M1O	03-359/20:07:24.3		NOTE: Periapsis 9005 ----------		03-359/19:58:36.9
4227	M1O	03-359/20:34:58.1		NOTE: Enter Solar Eclipse 9005		03-359/20:26:10.6
4228	M1O	03-359/20:35:33.5		NOTE: Ascending Node Crossing 9005		03-359/20:26:46.0
4229	M1O	03-359/20:55:14.5		NOTE: ENTER HGA KEEP OUT ZONE		
4230	M1O	03-359/20:57:10.5		NOTE: Exit Solar Eclipse 9005		03-359/20:48:23.0
4231	M1O	03-359/21:03:03.3		NOTE: Enter Planetary Atmosphere 9005		03-359/20:54:15.7
4232	M1O	03-359/21:04:29.1		NOTE: Enter Earth Occultation 9005		03-359/20:55:41.5
4233	M1O	03-359/21:05:28.6		NOTE: North Pole Crossing 9005		03-359/20:56:41.0
4234	M1O	03-359/21:07:10.2		NOTE: Apoapsis 9005 -		03-359/20:58:22.6
4235	M1O	03-359/21:17:14.6		NOTE: EXIT HGA KEEP OUT ZONE		
4236	M1O	03-359/21:24:39.2		NOTE: Exit Earth Occultation 9005		03-359/21:15:51.6
4237	M1O	03-359/21:26:06.2		NOTE: Exit Planetary Atmosphere 9005		03-359/21:17:18.5
4238	M1O	03-359/21:35:00.0	15	Begin Pre-Cal		
4239	M1O	03-359/21:35:00.0	15	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
4240	M1O	03-359/21:35:00.0	15	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
4241	M1O	03-359/21:35:00.0	15	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
4242	M1O	03-359/21:35:00.0	15	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
4243	M1O	03-359/21:35:00.0	15	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
4244	M1O	03-359/21:35:00.0	15	Config: RCV: Parms:		
4245	M1O	03-359/21:35:00.0	15	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
4246	M1O	03-359/21:35:00.0	15	Config: TGC: BAND=X, SR=79632.000000		
4247	M1O	03-359/21:35:00.0	15	Config: TXL		
4248	M1O	03-359/21:35:00.0	15	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
4249	M1O	03-359/21:35:00.0	15	Config: CMD		
4250	M1O	03-359/21:35:26.7		NOTE: Descending Node Crossing 9006		03-359/21:26:39.0
4251	M1O	03-359/22:04:48.3		NOTE: South Pole Crossing 9006		03-359/21:56:00.5
4252	M1O	03-359/22:05:39.8		NOTE: Periapsis 9006 ----------		03-359/21:56:52.0
4253	M1O	03-359/22:19:35.7		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-359/22:10:47.9
4254	M1O	03-359/22:19:35.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-359/22:10:48.0
4255	M1O	03-359/22:19:36.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-359/22:10:49.0
4256	M1O	03-359/22:19:37.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-359/22:10:50.0
4257	M1O	03-359/22:19:38.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-359/22:10:51.0
4258	M1O	03-359/22:19:39.8		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-359/22:10:52.0
4259	M1O	03-359/22:19:49.8		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-359/22:11:02.0
4260	M1O	03-359/22:19:59.8		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-359/22:11:12.0
4261	M1O	03-359/22:20:00.0	15	Begin Tracking		
4262	M1O	03-359/22:20:00.0	15	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4263	M1O	03-359/22:20:00.7		NOTE: Changing to 34M (HEF) downlink rate: 66360_BPS		03-359/22:11:12.9
4264	M1O	03-359/22:20:00.7		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 66360_BPS	DOWNLINK_RATE	03-359/22:11:12.9
4265	M1O	03-359/22:20:00.7	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4266	M1O	03-359/22:21:00.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4267	M1O	03-359/22:21:11.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
4268	M1O	03-359/22:24:59.8		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	03-359/22:16:12.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
4269	M1O	03-359/22:25:00.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-359/22:16:13.0
4270	M1O	03-359/22:25:00.8	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4271	M1O	03-359/22:25:01.8		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-359/22:16:14.0
4272	M1O	03-359/22:33:34.3		NOTE: Enter Solar Eclipse 9006		03-359/22:24:46.5
4273	M1O	03-359/22:34:07.6		NOTE: Ascending Node Crossing 9006		03-359/22:25:19.8
4274	M1O	03-359/22:36:11.0	15	X-Band Transmitter Off		
4275	M1O	03-359/22:37:32.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-359/22:28:44.9
4276	M1O	03-359/22:37:34.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-359/22:28:47.0
4277	M1O	03-359/22:37:34.8	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4278	M1O	03-359/22:37:35.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-359/22:28:48.0
4279	M1O	03-359/22:38:35.6	15	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4280	M1O	03-359/22:43:34.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-359/22:34:47.0
4281	M1O	03-359/22:43:34.9	15	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4282	M1O	03-359/22:43:35.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-359/22:34:48.0
4283	M1O	03-359/22:52:43.8		SPAWN, Engine = 65535, Parameters = 3, 00:35:56, 1	dpt	03-359/22:43:55.9
4284	M1O	03-359/22:52:45.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-359/22:43:58.0
4285	M1O	03-359/22:52:45.9	15	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4286	M1O	03-359/22:52:46.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-359/22:43:59.0
4287	M1O	03-359/22:53:46.6	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4288	M1O	03-359/22:53:46.9		NOTE: ENTER HGA KEEP OUT ZONE		
4289	M1O	03-359/22:53:46.9	15	NOTE: Loss Of X-Band Signal		
4290	M1O	03-359/22:55:40.1		NOTE: Exit Solar Eclipse 9006		03-359/22:46:52.2
4291	M1O	03-359/23:01:42.7		NOTE: Enter Planetary Atmosphere 9006		03-359/22:52:54.8
4292	M1O	03-359/23:03:09.1		NOTE: Enter Earth Occultation 9006		03-359/22:54:21.2
4293	M1O	03-359/23:04:03.4		NOTE: North Pole Crossing 9006		03-359/22:55:15.4
4294	M1O	03-359/23:05:34.2		NOTE: Apoapsis 9006 -		03-359/22:56:46.2
4295	M1O	03-359/23:06:07.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4296	M1O	03-359/23:15:46.9		NOTE: EXIT HGA KEEP OUT ZONE		
4297	M1O	03-359/23:23:10.7		NOTE: Exit Earth Occultation 9006		03-359/23:14:22.7
4298	M1O	03-359/23:23:10.7	15	Acquisition Of X-Band Signal		
4299	M1O	03-359/23:23:10.7	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4300	M1O	03-359/23:23:42.8	15	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4301	M1O	03-359/23:24:38.1		NOTE: Exit Planetary Atmosphere 9006		03-359/23:15:50.2
4302	M1O	03-359/23:28:42.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-359/23:19:54.0
4303	M1O	03-359/23:28:42.0	15	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4304	M1O	03-359/23:28:43.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-359/23:19:55.0
4305	M1O	03-359/23:34:01.9		NOTE: Descending Node Crossing 9007		03-359/23:25:13.9
4306	M1O	03-360/00:00:00.0		Light Time: OWLT = 08:48, RTLT = 17:36		
4307	M1O	03-360/00:03:24.9		NOTE: South Pole Crossing 9007		03-359/23:54:36.8
4308	M1O	03-360/00:04:36.4		NOTE: Periapsis 9007 ----------		03-359/23:55:48.3
4309	M1O	03-360/00:20:04.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
4310	M1O	03-360/00:32:11.4		NOTE: Enter Solar Eclipse 9007		03-360/00:23:23.2
4311	M1O	03-360/00:32:45.0		NOTE: Ascending Node Crossing 9007		03-360/00:23:56.8
4312	M1O	03-360/00:35:04.0	15	X-Band Transmitter Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4313	M1O	03-360/00:51:38.2		SPAWN, Engine = 65535, Parameters = 3, 00:35:36, 1	dpt	03-360/00:42:50.0
4314	M1O	03-360/00:51:40.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/00:42:52.1
4315	M1O	03-360/00:51:40.3	15	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4316	M1O	03-360/00:51:41.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-360/00:42:53.1
4317	M1O	03-360/00:52:40.4	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4318	M1O	03-360/00:52:42.2		NOTE: ENTER HGA KEEP OUT ZONE		
4319	M1O	03-360/00:52:42.2	15	NOTE: Loss Of X-Band Signal		
4320	M1O	03-360/00:54:15.9		NOTE: Exit Solar Eclipse 9007		03-360/00:45:27.7
4321	M1O	03-360/01:00:20.2		NOTE: Enter Planetary Atmosphere 9007		03-360/00:51:32.0
4322	M1O	03-360/01:01:46.9		NOTE: Enter Earth Occultation 9007		03-360/00:52:58.6
4323	M1O	03-360/01:02:40.2		NOTE: North Pole Crossing 9007		03-360/00:53:51.9
4324	M1O	03-360/01:04:40.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4325	M1O	03-360/01:04:43.0		NOTE: Apoapsis 9007 -		03-360/00:55:54.7
4326	M1O	03-360/01:14:22.3		NOTE: EXIT HGA KEEP OUT ZONE		
4327	M1O	03-360/01:21:45.2		NOTE: Exit Earth Occultation 9007		03-360/01:12:56.9
4328	M1O	03-360/01:21:45.2	15	Acquisition Of X-Band Signal		
4329	M1O	03-360/01:21:45.2	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4330	M1O	03-360/01:22:16.5	15	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4331	M1O	03-360/01:23:12.8		NOTE: Exit Planetary Atmosphere 9007		03-360/01:14:24.5
4332	M1O	03-360/01:27:16.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-360/01:18:28.1
4333	M1O	03-360/01:27:16.4	15	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4334	M1O	03-360/01:27:17.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-360/01:18:29.1
4335	M1O	03-360/01:30:00.0	43	Begin Pre-Cal		
4336	M1O	03-360/01:30:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
4337	M1O	03-360/01:30:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
4338	M1O	03-360/01:30:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
4339	M1O	03-360/01:30:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
4340	M1O	03-360/01:30:00.0	43	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
4341	M1O	03-360/01:30:00.0	43	Config: RCV: Parms:		
4342	M1O	03-360/01:30:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
4343	M1O	03-360/01:30:00.0	43	Config: TGC: BAND=X, SR=132720.000000		
4344	M1O	03-360/01:30:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
4345	M1O	03-360/01:32:38.8		NOTE: Descending Node Crossing 9008		03-360/01:23:50.4
4346	M1O	03-360/02:02:02.4		NOTE: South Pole Crossing 9008		03-360/01:53:13.9
4347	M1O	03-360/02:03:42.3		NOTE: Periapsis 9008 ----------		03-360/01:54:53.8
4348	M1O	03-360/02:18:40.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
4349	M1O	03-360/02:30:46.8		NOTE: Enter Solar Eclipse 9008		03-360/02:21:58.2
4350	M1O	03-360/02:31:22.2		NOTE: Ascending Node Crossing 9008		03-360/02:22:33.6
4351	M1O	03-360/02:33:40.0	15	X-Band Transmitter Off		
4352	M1O	03-360/02:50:14.6		SPAWN, Engine = 65535, Parameters = 3, 00:35:36, 1	dpt	03-360/02:41:26.0
4353	M1O	03-360/02:50:16.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/02:41:28.1
4354	M1O	03-360/02:50:16.7	15	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4355	M1O	03-360/02:50:17.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-360/02:41:29.1
4356	M1O	03-360/02:51:17.1	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4357	M1O	03-360/02:51:18.6		NOTE: ENTER HGA KEEP OUT ZONE		
4358	M1O	03-360/02:51:18.6	15	NOTE: Loss Of X-Band Signal		
4359	M1O	03-360/02:52:53.3		NOTE: Exit Solar Eclipse 9008		03-360/02:44:04.7
4360	M1O	03-360/02:58:56.1		NOTE: Enter Planetary Atmosphere 9008		03-360/02:50:07.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4361	M1O	03-360/03:00:00.0	43	Begin Tracking		
4362	M1O	03-360/03:00:00.5		NOTE: Changing to 70M downlink rate: 110600_BPS		03-360/02:51:11.8
4363	M1O	03-360/03:00:00.5		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	03-360/02:51:11.8
4364	M1O	03-360/03:00:22.8		NOTE: Enter Earth Occultation 9008		03-360/02:51:34.2
4365	M1O	03-360/03:01:17.1		NOTE: North Pole Crossing 9008		03-360/02:52:28.4
4366	M1O	03-360/03:03:16.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4367	M1O	03-360/03:03:48.7		NOTE: Apoapsis 9008 -		03-360/02:55:00.1
4368	M1O	03-360/03:04:14.0	43	NOTE: Above Uplink Interlock Limit		
4369	M1O	03-360/03:12:58.6		NOTE: EXIT HGA KEEP OUT ZONE		
4370	M1O	03-360/03:20:21.4		NOTE: Exit Earth Occultation 9008		03-360/03:11:32.7
4371	M1O	03-360/03:20:21.4	15	Acquisition Of X-Band Signal		
4372	M1O	03-360/03:20:21.4	15	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4373	M1O	03-360/03:20:21.4	43	Acquisition Of X-Band Signal		
4374	M1O	03-360/03:20:21.4	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4375	M1O	03-360/03:20:53.3	15	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4376	M1O	03-360/03:20:53.3	43	Acquire D/L: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4377	M1O	03-360/03:21:37.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
4378	M1O	03-360/03:21:49.0		NOTE: Exit Planetary Atmosphere 9008		03-360/03:13:00.3
4379	M1O	03-360/03:25:52.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-360/03:17:04.1
4380	M1O	03-360/03:25:52.8	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4381	M1O	03-360/03:25:52.8	43	D/L Change: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4382	M1O	03-360/03:25:53.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-360/03:17:05.1
4383	M1O	03-360/03:31:16.0		NOTE: Descending Node Crossing 9009		03-360/03:22:27.2
4384	M1O	03-360/03:36:37.0	15	X-Band Transmitter Off		
4385	M1O	03-360/03:44:16.7		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	03-360/03:35:28.0
4386	M1O	03-360/03:44:16.8		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-360/03:35:28.1
4387	M1O	03-360/03:44:17.8		Forces a desaturation of the reaction wheels.	RW_DESAT	03-360/03:35:29.1
4388	M1O	03-360/03:46:03.7		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-360/03:37:15.0
4389	M1O	03-360/03:46:19.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-358T03:37:15.100, 2003-360T03:37:15.100	PCKTS_RE_TX_TIME	03-360/03:37:30.8
4390	M1O	03-360/03:46:20.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-358T03:37:15.100, 2003-360T03:37:15.100	PCKTS_RE_TX_TIME	03-360/03:37:31.8
4391	M1O	03-360/03:46:21.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-358T03:37:15.100, 2003-360T03:37:15.100	PCKTS_RE_TX_TIME	03-360/03:37:32.8
4392	M1O	03-360/03:46:22.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-358T03:37:15.100, 2003-360T03:37:15.100	PCKTS_RE_TX_TIME	03-360/03:37:33.8
4393	M1O	03-360/03:46:23.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-358T03:37:15.100, 2003-360T03:37:15.100	PCKTS_RE_TX_TIME	03-360/03:37:34.8
4394	M1O	03-360/03:46:24.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-358T03:37:15.100, 2003-360T03:37:15.100	PCKTS_RE_TX_TIME	03-360/03:37:35.8
4395	M1O	03-360/03:46:24.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-360/03:37:35.8
4396	M1O	03-360/03:46:24.5	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4397	M1O	03-360/03:46:24.5	43	D/L Change: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4398	M1O	03-360/03:53:25.6		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	03-360/03:44:36.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
4399	M1O	03-360/03:53:25.6	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4400	M1O	03-360/03:53:25.6	43	D/L Change: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4401	M1O	03-360/03:53:26.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-360/03:44:37.8
4402	M1O	03-360/03:53:42.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-360/03:44:53.8
4403	M1O	03-360/03:53:42.6	15	D/L RF Warning: SC antenna change - expect signal level variation		
4404	M1O	03-360/03:53:42.6	43	D/L RF Warning: SC antenna change - expect signal level variation		
4405	M1O	03-360/03:53:43.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-360/03:44:54.8
4406	M1O	03-360/03:54:14.5	15	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4407	M1O	03-360/03:54:14.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4408	M1O	03-360/03:55:47.9		CALL, Engine = , Parameters = FALSE	park_hga	03-360/03:46:59.1
4409	M1O	03-360/03:55:47.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/03:46:59.1
4410	M1O	03-360/03:55:48.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-360/03:47:00.1
4411	M1O	03-360/03:55:49.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-360/03:47:01.1
4412	M1O	03-360/03:55:49.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-360/03:47:01.1
4413	M1O	03-360/03:55:49.9		NOTE: START HGA PARK		
4414	M1O	03-360/03:55:49.9	15	NOTE: Loss Of X-Band Signal		
4415	M1O	03-360/03:55:49.9	43	NOTE: Loss Of X-Band Signal		
4416	M1O	03-360/03:55:50.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-360/03:47:02.1
4417	M1O	03-360/03:55:51.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-360/03:47:03.1
4418	M1O	03-360/04:00:21.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	03-360/03:51:33.1
4419	M1O	03-360/04:00:38.9		NOTE: South Pole Crossing 9009		03-360/03:51:50.0
4420	M1O	03-360/04:02:30.9		NOTE: Periapsis 9009 ----------		03-360/03:53:42.0
4421	M1O	03-360/04:03:51.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-360/03:55:03.1
4422	M1O	03-360/04:03:51.9		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-360/03:55:03.1
4423	M1O	03-360/04:29:19.9		NOTE: Enter Solar Eclipse 9009		03-360/04:20:30.9
4424	M1O	03-360/04:29:57.5		NOTE: Ascending Node Crossing 9009		03-360/04:21:08.6
4425	M1O	03-360/04:33:51.9		GV: GV_DESAT_ACTIVE = 1		03-360/04:25:03.0
4426	M1O	03-360/04:33:52.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	03-360/04:25:04.0
4427	M1O	03-360/04:33:52.9		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-360/04:25:04.0
4428	M1O	03-360/04:43:51.9		GV: GV_DESAT_ACTIVE = 0		03-360/04:35:03.0
4429	M1O	03-360/04:43:52.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	03-360/04:35:04.0
4430	M1O	03-360/04:43:53.9		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-360/04:35:05.0
4431	M1O	03-360/04:43:54.9		CALL, Engine = , Parameters =	unpark_hga	03-360/04:35:06.0
4432	M1O	03-360/04:43:54.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-360/04:35:06.0
4433	M1O	03-360/04:43:55.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-360/04:35:07.0
4434	M1O	03-360/04:48:25.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	03-360/04:39:37.0
4435	M1O	03-360/04:48:26.9		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	03-360/04:39:38.0
4436	M1O	03-360/04:49:55.9		NOTE: ENTER HGA KEEP OUT ZONE		
4437	M1O	03-360/04:51:30.4		NOTE: Exit Solar Eclipse 9009		03-360/04:42:41.5
4438	M1O	03-360/04:52:26.9		NOTE: EXIT HGA PARK		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4439	M1O	03-360/04:57:28.2		NOTE: Enter Planetary Atmosphere 9009		03-360/04:48:39.2
4440	M1O	03-360/04:58:54.6		NOTE: Enter Earth Occultation 9009		03-360/04:50:05.6
4441	M1O	03-360/04:59:52.2		NOTE: North Pole Crossing 9009		03-360/04:51:03.2
4442	M1O	03-360/05:01:53.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4443	M1O	03-360/05:02:22.6		NOTE: Apoapsis 9009 -		03-360/04:53:33.6
4444	M1O	03-360/05:11:36.0		NOTE: EXIT HGA KEEP OUT ZONE		
4445	M1O	03-360/05:15:28.0		SPAWN, Engine = 65535, Parameters = 360, 01, TRUE, 00:17:34.667, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-360/05:06:39.0
4446	M1O	03-360/05:15:29.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-360/05:06:40.1
4447	M1O	03-360/05:15:31.1		CALL, Engine = , Parameters = 56	get_cmd_opt	03-360/05:06:42.1
4448	M1O	03-360/05:15:31.4		CALL, Engine = , Parameters = 360, 01, 056	bld_autosw	03-360/05:06:42.4
4449	M1O	03-360/05:15:32.5		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-360/05:06:43.5
4450	M1O	03-360/05:15:33.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/05:06:44.6
4451	M1O	03-360/05:15:34.6		Deletes the designated file.: d:/dat/056_doy360_pass01_file01.dat	FILE_DELETE	03-360/05:06:45.6
4452	M1O	03-360/05:15:35.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/05:06:46.7
4453	M1O	03-360/05:15:36.7		Deletes the designated file.: d:/dat/056_doy360_pass01_file02.dat	FILE_DELETE	03-360/05:06:47.7
4454	M1O	03-360/05:15:37.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/05:06:48.8
4455	M1O	03-360/05:15:38.8		Deletes the designated file.: d:/dat/056_doy360_pass01_file03.dat	FILE_DELETE	03-360/05:06:49.8
4456	M1O	03-360/05:15:39.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/05:06:50.9
4457	M1O	03-360/05:15:40.9		Deletes the designated file.: d:/dat/056_doy360_pass01_file04.dat	FILE_DELETE	03-360/05:06:51.9
4458	M1O	03-360/05:15:42.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/05:06:53.0
4459	M1O	03-360/05:15:43.0		Deletes the designated file.: d:/dat/056_doy360_pass01_file05.dat	FILE_DELETE	03-360/05:06:54.0
4460	M1O	03-360/05:15:44.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/05:06:55.1
4461	M1O	03-360/05:15:45.1		Deletes the designated file.: d:/dat/056_doy360_pass01_file06.dat	FILE_DELETE	03-360/05:06:56.1
4462	M1O	03-360/05:15:46.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/05:06:57.2
4463	M1O	03-360/05:15:47.2		Deletes the designated file.: d:/dat/056_doy360_pass01_file07.dat	FILE_DELETE	03-360/05:06:58.2
4464	M1O	03-360/05:15:48.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/05:06:59.3
4465	M1O	03-360/05:15:49.3		Deletes the designated file.: d:/dat/056_doy360_pass01_file08.dat	FILE_DELETE	03-360/05:07:00.3
4466	M1O	03-360/05:15:50.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/05:07:01.4
4467	M1O	03-360/05:15:51.4		Deletes the designated file.: d:/dat/056_doy360_pass01_file09.dat	FILE_DELETE	03-360/05:07:02.4
4468	M1O	03-360/05:15:52.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/05:07:03.5
4469	M1O	03-360/05:15:53.5		Deletes the designated file.: d:/dat/056_doy360_pass01_file10.dat	FILE_DELETE	03-360/05:07:04.5
4470	M1O	03-360/05:15:54.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/05:07:05.6
4471	M1O	03-360/05:15:55.6		Deletes the designated file.: d:/dat/056_doy360_pass01_file11.dat	FILE_DELETE	03-360/05:07:06.6
4472	M1O	03-360/05:15:56.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/05:07:07.7
4473	M1O	03-360/05:15:57.7		Deletes the designated file.: d:/dat/056_doy360_pass01_file12.dat	FILE_DELETE	03-360/05:07:08.7
4474	M1O	03-360/05:15:58.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/05:07:09.8
4475	M1O	03-360/05:15:59.8		Deletes the designated file.: d:/dat/056_doy360_pass01_file13.dat	FILE_DELETE	03-360/05:07:10.8
4476	M1O	03-360/05:16:00.9		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-360/05:07:11.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy360_pass01_file14.dat, d:/dat/autoswitch.dat		
4477	M1O	03-360/05:16:01.9		Deletes the designated file.: d:/dat/056_doy360_pass01_file14.dat	FILE_DELETE	03-360/05:07:12.9
4478	M1O	03-360/05:16:03.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/05:07:14.0
4479	M1O	03-360/05:16:04.0		Deletes the designated file.: d:/dat/056_doy360_pass01_file15.dat	FILE_DELETE	03-360/05:07:15.0
4480	M1O	03-360/05:16:05.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/05:07:16.1
4481	M1O	03-360/05:16:06.1		Deletes the designated file.: d:/dat/056_doy360_pass01_file16.dat	FILE_DELETE	03-360/05:07:17.1
4482	M1O	03-360/05:16:07.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/05:07:18.2
4483	M1O	03-360/05:16:08.2		Deletes the designated file.: d:/dat/056_doy360_pass01_file17.dat	FILE_DELETE	03-360/05:07:19.2
4484	M1O	03-360/05:16:09.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/05:07:20.3
4485	M1O	03-360/05:16:10.3		Deletes the designated file.: d:/dat/056_doy360_pass01_file18.dat	FILE_DELETE	03-360/05:07:21.3
4486	M1O	03-360/05:16:11.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/05:07:22.4
4487	M1O	03-360/05:16:12.4		Deletes the designated file.: d:/dat/056_doy360_pass01_file19.dat	FILE_DELETE	03-360/05:07:23.4
4488	M1O	03-360/05:16:13.4		CALL, Engine = , Parameters = 56	get_apid	03-360/05:07:24.4
4489	M1O	03-360/05:16:14.5		CALL, Engine = , Parameters = 56	get_rcv_mode	03-360/05:07:25.5
4490	M1O	03-360/05:16:14.7		CALL, Engine = , Parameters = 56	get_dl_rate	03-360/05:07:25.7
4491	M1O	03-360/05:16:15.8		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-360/05:07:26.8
4492	M1O	03-360/05:16:17.0		CALL, Engine = , Parameters = 56	get_coding	03-360/05:07:28.0
4493	M1O	03-360/05:16:18.2		CALL, Engine = , Parameters = 56	get_xmt_mode	03-360/05:07:29.2
4494	M1O	03-360/05:16:19.4		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-360/05:07:30.4
4495	M1O	03-360/05:17:24.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-360/05:08:35.2
4496	M1O	03-360/05:17:25.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-360/05:08:36.2
4497	M1O	03-360/05:17:26.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-360/05:08:37.2
4498	M1O	03-360/05:17:27.2		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-360/05:08:38.2
4499	M1O	03-360/05:17:28.2		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-360/05:08:39.2
4500	M1O	03-360/05:17:29.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-360/05:08:40.2
4501	M1O	03-360/05:17:30.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/05:08:41.2
4502	M1O	03-360/05:18:20.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/05:09:31.2
4503	M1O	03-360/05:18:30.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-360/05:09:41.2
4504	M1O	03-360/05:18:33.3		SPAWN, Engine = 65535, Parameters = 00:05:31.770	cstr	03-360/05:09:44.2
4505	M1O	03-360/05:18:33.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/05:09:44.3
4506	M1O	03-360/05:18:34.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-360/05:09:45.3
4507	M1O	03-360/05:18:35.4		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-360/05:09:46.3
4508	M1O	03-360/05:18:36.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-360/05:09:47.3
4509	M1O	03-360/05:18:37.4		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-360/05:09:48.3
4510	M1O	03-360/05:18:47.4		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-360/05:09:58.3
4511	M1O	03-360/05:18:57.4		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-360/05:10:08.3
4512	M1O	03-360/05:18:58.3		NOTE: Exit Earth Occultation 9009		03-360/05:10:09.2
4513	M1O	03-360/05:18:58.3	15	Acquisition Of X-Band Signal		
4514	M1O	03-360/05:18:58.3	15	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4515	M1O	03-360/05:18:58.3	43	Acquisition Of X-Band Signal		
4516	M1O	03-360/05:18:58.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4517	M1O	03-360/05:19:31.0	15	Acquire D/L: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4518	M1O	03-360/05:19:31.0	43	Acquire D/L: X/08, 3-Way/15, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4519	M1O	03-360/05:20:25.6		NOTE: Exit Planetary Atmosphere 9009		03-360/05:11:36.6
4520	M1O	03-360/05:20:31.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/05:11:42.2
4521	M1O	03-360/05:20:32.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/05:11:43.2
4522	M1O	03-360/05:22:31.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/05:13:42.2
4523	M1O	03-360/05:22:32.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/05:13:43.2
4524	M1O	03-360/05:24:29.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-360/05:15:40.1
4525	M1O	03-360/05:24:30.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-360/05:15:41.1
4526	M1O	03-360/05:24:30.2	15	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4527	M1O	03-360/05:24:30.2	43	D/L Change: X/08, 3-Way/15, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4528	M1O	03-360/05:24:31.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/05:15:42.1
4529	M1O	03-360/05:24:31.1	15	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4530	M1O	03-360/05:24:31.1	43	D/L Change: X/08, 3-Way/15, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4531	M1O	03-360/05:24:31.2		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-360/05:15:42.1
4532	M1O	03-360/05:24:31.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/05:15:42.2
4533	M1O	03-360/05:24:32.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/05:15:43.2
4534	M1O	03-360/05:26:31.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/05:17:42.2
4535	M1O	03-360/05:26:32.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/05:17:43.2
4536	M1O	03-360/05:28:31.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/05:19:42.2
4537	M1O	03-360/05:28:32.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/05:19:43.2
4538	M1O	03-360/05:29:50.9		NOTE: Descending Node Crossing 9010		03-360/05:21:01.8
4539	M1O	03-360/05:30:31.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/05:21:42.2
4540	M1O	03-360/05:30:32.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/05:21:43.2
4541	M1O	03-360/05:32:31.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/05:23:42.2
4542	M1O	03-360/05:32:32.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/05:23:43.2
4543	M1O	03-360/05:34:31.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/05:25:42.2
4544	M1O	03-360/05:34:32.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/05:25:43.2
4545	M1O	03-360/05:35:02.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/05:26:13.8
4546	M1O	03-360/05:35:04.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-360/05:26:14.9
4547	M1O	03-360/05:35:14.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-360/05:26:24.9
4548	M1O	03-360/05:35:15.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-360/05:26:25.9
4549	M1O	03-360/05:35:16.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-360/05:26:26.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4550	M1O	03-360/05:35:16.0	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4551	M1O	03-360/05:35:16.0	43	D/L Change: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4552	M1O	03-360/05:35:17.0		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-360/05:26:27.9
4553	M1O	03-360/05:40:15.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-360/05:31:26.6
4554	M1O	03-360/05:40:15.8	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4555	M1O	03-360/05:40:15.8	43	D/L Change: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4556	M1O	03-360/05:59:12.5		NOTE: South Pole Crossing 9010		03-360/05:50:23.3
4557	M1O	03-360/06:00:49.1		NOTE: Periapsis 9010 ----------		03-360/05:51:59.9
4558	M1O	03-360/06:15:51.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
4559	M1O	03-360/06:27:51.8		NOTE: Enter Solar Eclipse 9010		03-360/06:19:02.5
4560	M1O	03-360/06:28:30.3		NOTE: Ascending Node Crossing 9010		03-360/06:19:41.0
4561	M1O	03-360/06:30:51.0	15	X-Band Transmitter Off		
4562	M1O	03-360/06:47:27.4		SPAWN, Engine = 65535, Parameters = 3, 00:35:02.981, 1	dpt	03-360/06:38:38.1
4563	M1O	03-360/06:47:29.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/06:38:40.2
4564	M1O	03-360/06:47:29.5	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4565	M1O	03-360/06:47:29.5	43	D/L Change: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4566	M1O	03-360/06:47:30.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-360/06:38:41.2
4567	M1O	03-360/06:48:29.5	15	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4568	M1O	03-360/06:48:29.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4569	M1O	03-360/06:48:31.3		NOTE: ENTER HGA KEEP OUT ZONE		
4570	M1O	03-360/06:48:31.3	15	NOTE: Loss Of X-Band Signal		
4571	M1O	03-360/06:48:31.3	43	NOTE: Loss Of X-Band Signal		
4572	M1O	03-360/06:50:05.1		NOTE: Exit Solar Eclipse 9010		03-360/06:41:15.8
4573	M1O	03-360/06:55:57.3		NOTE: Enter Planetary Atmosphere 9010		03-360/06:47:07.9
4574	M1O	03-360/06:57:23.3		NOTE: Enter Earth Occultation 9010		03-360/06:48:33.9
4575	M1O	03-360/06:58:24.7		NOTE: North Pole Crossing 9010		03-360/06:49:35.3
4576	M1O	03-360/07:00:34.2		NOTE: Apoapsis 9010 -		03-360/06:51:44.8
4577	M1O	03-360/07:06:45.0	15	NOTE: Below Uplink Interlock Limit		
4578	M1O	03-360/07:08:49.4		SPAWN, Engine = 65535, Parameters =	scdiag	03-360/07:00:00.0
4579	M1O	03-360/07:08:50.5		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	03-360/07:00:01.1
4580	M1O	03-360/07:08:51.5		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	03-360/07:00:02.1
4581	M1O	03-360/07:09:52.4		SPAWN, Engine = 65535, Parameters = MONTHLY	fsw_diag	03-360/07:01:03.0
4582	M1O	03-360/07:09:52.6		NOTE: Start Block fsw_diag		03-360/07:01:03.2
4583	M1O	03-360/07:09:53.6		Causes flight software to execute the VXWorks shells commands contained in the designated file.: d:/scr/fsw_patch_log_dump.scr	FSW_VX_SCRIPT	03-360/07:01:04.2
4584	M1O	03-360/07:10:03.6		Causes the fault history table to be dumped.	FHT_DUMP_ALL	03-360/07:01:14.2
4585	M1O	03-360/07:10:11.4		NOTE: EXIT HGA KEEP OUT ZONE		
4586	M1O	03-360/07:10:13.6		Creates a non-channelized telemetry packet for APID 7.: c:/cfg	FILE_DIR_DUMP	03-360/07:01:24.2
4587	M1O	03-360/07:10:23.6		Creates a non-channelized telemetry packet for APID 7.: c:/pat	FILE_DIR_DUMP	03-360/07:01:34.2
4588	M1O	03-360/07:10:33.6		Creates a non-channelized telemetry packet for APID 7.: c:/scr	FILE_DIR_DUMP	03-360/07:01:44.2
4589	M1O	03-360/07:10:43.6		Creates a non-channelized telemetry packet for APID 7.: c:/seq	FILE_DIR_DUMP	03-360/07:01:54.2
4590	M1O	03-360/07:10:53.6		Creates a non-channelized telemetry packet for APID 7.: c:/tlm	FILE_DIR_DUMP	03-360/07:02:04.2
4591	M1O	03-360/07:11:03.6		Creates a non-channelized telemetry packet for APID 7.: d:/cfg	FILE_DIR_DUMP	03-360/07:02:14.2
4592	M1O	03-360/07:11:13.6		Creates a non-channelized telemetry packet for APID 7.: d:/pat	FILE_DIR_DUMP	03-360/07:02:24.2
4593	M1O	03-360/07:11:23.6		Creates a non-channelized telemetry packet for APID 7.: d:/scr	FILE_DIR_DUMP	03-360/07:02:34.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4594	M1O	03-360/07:11:33.6		Creates a non-channelized telemetry packet for APID 7.: d:/seq	FILE_DIR_DUMP	03-360/07:02:44.2
4595	M1O	03-360/07:11:43.6		Creates a non-channelized telemetry packet for APID 7.: d:/tlm	FILE_DIR_DUMP	03-360/07:02:54.2
4596	M1O	03-360/07:11:53.6		Creates a non-channelized telemetry packet for APID 7.: d:/grs	FILE_DIR_DUMP	03-360/07:03:04.2
4597	M1O	03-360/07:12:03.6		Creates a non-channelized telemetry packet for APID 7.: d:/marie	FILE_DIR_DUMP	03-360/07:03:14.2
4598	M1O	03-360/07:12:13.6		Creates a non-channelized telemetry packet for APID 7.: d:/themis	FILE_DIR_DUMP	03-360/07:03:24.2
4599	M1O	03-360/07:12:23.6		Creates a non-channelized telemetry packet for APID 7.: d:/dat	FILE_DIR_DUMP	03-360/07:03:34.2
4600	M1O	03-360/07:12:33.6		Creates a non-channelized telemetry packet for APID 7.: c:/themis	FILE_DIR_DUMP	03-360/07:03:44.2
4601	M1O	03-360/07:12:43.6		Causes flight software to execute the VXWorks shells commands contained in the designated file.: d:/scr/dumpMsg_Q_Trace.scr	FSW_VX_SCRIPT	03-360/07:03:54.2
4602	M1O	03-360/07:12:54.6		NOTE: End Block fsw_diag.mod		03-360/07:04:05.2
4603	M1O	03-360/07:13:06.4		SPAWN, Engine = 65535, Parameters = 360, 02, TRUE, 00:16:54.640, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-360/07:04:17.0
4604	M1O	03-360/07:13:07.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-360/07:04:18.1
4605	M1O	03-360/07:13:09.5		CALL, Engine = , Parameters = 56	get_cmd_opt	03-360/07:04:20.1
4606	M1O	03-360/07:13:09.8		CALL, Engine = , Parameters = 360, 02, 056	bld_autosw	03-360/07:04:20.4
4607	M1O	03-360/07:13:10.9		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-360/07:04:21.5
4608	M1O	03-360/07:13:12.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/07:04:22.6
4609	M1O	03-360/07:13:13.0		Deletes the designated file.: d:/dat/056_doy360_pass02_file01.dat	FILE_DELETE	03-360/07:04:23.6
4610	M1O	03-360/07:13:14.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/07:04:24.7
4611	M1O	03-360/07:13:15.1		Deletes the designated file.: d:/dat/056_doy360_pass02_file02.dat	FILE_DELETE	03-360/07:04:25.7
4612	M1O	03-360/07:13:16.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/07:04:26.8
4613	M1O	03-360/07:13:17.2		Deletes the designated file.: d:/dat/056_doy360_pass02_file03.dat	FILE_DELETE	03-360/07:04:27.8
4614	M1O	03-360/07:13:18.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/07:04:28.9
4615	M1O	03-360/07:13:19.3		Deletes the designated file.: d:/dat/056_doy360_pass02_file04.dat	FILE_DELETE	03-360/07:04:29.9
4616	M1O	03-360/07:13:20.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/07:04:31.0
4617	M1O	03-360/07:13:21.4		Deletes the designated file.: d:/dat/056_doy360_pass02_file05.dat	FILE_DELETE	03-360/07:04:32.0
4618	M1O	03-360/07:13:22.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/07:04:33.1
4619	M1O	03-360/07:13:23.5		Deletes the designated file.: d:/dat/056_doy360_pass02_file06.dat	FILE_DELETE	03-360/07:04:34.1
4620	M1O	03-360/07:13:24.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/07:04:35.2
4621	M1O	03-360/07:13:25.6		Deletes the designated file.: d:/dat/056_doy360_pass02_file07.dat	FILE_DELETE	03-360/07:04:36.2
4622	M1O	03-360/07:13:26.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/07:04:37.3
4623	M1O	03-360/07:13:27.7		Deletes the designated file.: d:/dat/056_doy360_pass02_file08.dat	FILE_DELETE	03-360/07:04:38.3
4624	M1O	03-360/07:13:28.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/07:04:39.4
4625	M1O	03-360/07:13:29.8		Deletes the designated file.: d:/dat/056_doy360_pass02_file09.dat	FILE_DELETE	03-360/07:04:40.4
4626	M1O	03-360/07:13:30.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/07:04:41.5
4627	M1O	03-360/07:13:31.9		Deletes the designated file.: d:/dat/056_doy360_pass02_file10.dat	FILE_DELETE	03-360/07:04:42.5
4628	M1O	03-360/07:13:33.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/07:04:43.6
4629	M1O	03-360/07:13:34.0		Deletes the designated file.: d:/dat/056_doy360_pass02_file11.dat	FILE_DELETE	03-360/07:04:44.6
4630	M1O	03-360/07:13:35.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/07:04:45.7
4631	M1O	03-360/07:13:36.1		Deletes the designated file.: d:/dat/056_doy360_pass02_file12.dat	FILE_DELETE	03-360/07:04:46.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4632	M1O	03-360/07:13:37.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/07:04:47.8
4633	M1O	03-360/07:13:38.2		Deletes the designated file.: d:/dat/056_doy360_pass02_file13.dat	FILE_DELETE	03-360/07:04:48.8
4634	M1O	03-360/07:13:39.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/07:04:49.9
4635	M1O	03-360/07:13:40.3		Deletes the designated file.: d:/dat/056_doy360_pass02_file14.dat	FILE_DELETE	03-360/07:04:50.9
4636	M1O	03-360/07:13:41.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/07:04:52.0
4637	M1O	03-360/07:13:42.4		Deletes the designated file.: d:/dat/056_doy360_pass02_file15.dat	FILE_DELETE	03-360/07:04:53.0
4638	M1O	03-360/07:13:43.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/07:04:54.1
4639	M1O	03-360/07:13:44.5		Deletes the designated file.: d:/dat/056_doy360_pass02_file16.dat	FILE_DELETE	03-360/07:04:55.1
4640	M1O	03-360/07:13:45.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/07:04:56.2
4641	M1O	03-360/07:13:46.6		Deletes the designated file.: d:/dat/056_doy360_pass02_file17.dat	FILE_DELETE	03-360/07:04:57.2
4642	M1O	03-360/07:13:47.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/07:04:58.3
4643	M1O	03-360/07:13:48.7		Deletes the designated file.: d:/dat/056_doy360_pass02_file18.dat	FILE_DELETE	03-360/07:04:59.3
4644	M1O	03-360/07:13:49.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/07:05:00.4
4645	M1O	03-360/07:13:50.8		Deletes the designated file.: d:/dat/056_doy360_pass02_file19.dat	FILE_DELETE	03-360/07:05:01.4
4646	M1O	03-360/07:13:51.8		CALL, Engine = , Parameters = 56	get_apid	03-360/07:05:02.4
4647	M1O	03-360/07:13:52.9		CALL, Engine = , Parameters = 56	get_rcv_mode	03-360/07:05:03.5
4648	M1O	03-360/07:13:53.1		CALL, Engine = , Parameters = 56	get_dl_rate	03-360/07:05:03.7
4649	M1O	03-360/07:13:54.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-360/07:05:04.8
4650	M1O	03-360/07:13:54.4		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-360/07:05:05.0
4651	M1O	03-360/07:13:54.6		NOTE: Start Block fsw_diag		03-360/07:05:05.2
4652	M1O	03-360/07:13:55.4		CALL, Engine = , Parameters = 56	get_coding	03-360/07:05:06.0
4653	M1O	03-360/07:13:55.6		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	03-360/07:05:06.2
4654	M1O	03-360/07:13:56.6		CALL, Engine = , Parameters = 56	get_xmt_mode	03-360/07:05:07.2
4655	M1O	03-360/07:13:56.6		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	03-360/07:05:07.2
4656	M1O	03-360/07:13:57.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-360/07:05:08.4
4657	M1O	03-360/07:14:07.6		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	03-360/07:05:18.2
4658	M1O	03-360/07:14:37.6		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	03-360/07:05:48.2
4659	M1O	03-360/07:14:57.6		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	03-360/07:06:08.2
4660	M1O	03-360/07:15:00.0	15	End Tracking		
4661	M1O	03-360/07:15:02.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-360/07:06:13.2
4662	M1O	03-360/07:15:03.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-360/07:06:14.2
4663	M1O	03-360/07:15:04.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-360/07:06:15.2
4664	M1O	03-360/07:15:05.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-360/07:06:16.2
4665	M1O	03-360/07:15:06.6		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-360/07:06:17.2
4666	M1O	03-360/07:15:07.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-360/07:06:18.2
4667	M1O	03-360/07:15:07.6		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	03-360/07:06:18.2
4668	M1O	03-360/07:15:08.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/07:06:19.2
4669	M1O	03-360/07:15:27.6		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	03-360/07:06:38.2
4670	M1O	03-360/07:15:37.6		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	03-360/07:06:48.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4671	M1O	03-360/07:15:42.6		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	03-360/07:06:53.2
4672	M1O	03-360/07:15:47.6		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	03-360/07:06:58.2
4673	M1O	03-360/07:15:52.6		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	03-360/07:07:03.2
4674	M1O	03-360/07:15:57.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	03-360/07:07:08.2
4675	M1O	03-360/07:15:58.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/07:07:09.2
4676	M1O	03-360/07:16:02.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	03-360/07:07:13.2
4677	M1O	03-360/07:16:08.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-360/07:07:19.2
4678	M1O	03-360/07:16:42.6		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	03-360/07:07:53.2
4679	M1O	03-360/07:16:47.6		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	03-360/07:07:58.2
4680	M1O	03-360/07:16:52.6		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	03-360/07:08:03.2
4681	M1O	03-360/07:16:57.6		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	03-360/07:08:08.2
4682	M1O	03-360/07:17:02.6		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	03-360/07:08:13.2
4683	M1O	03-360/07:17:03.6		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	03-360/07:08:14.2
4684	M1O	03-360/07:17:04.6		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	03-360/07:08:15.2
4685	M1O	03-360/07:17:05.6		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-360/07:08:16.2
4686	M1O	03-360/07:17:16.6		NOTE: End Block fsw_diag.mod		03-360/07:08:27.2
4687	M1O	03-360/07:17:32.5		NOTE: Exit Earth Occultation 9010		03-360/07:08:43.0
4688	M1O	03-360/07:17:32.5	43	Acquisition Of X-Band Signal		
4689	M1O	03-360/07:17:32.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4690	M1O	03-360/07:18:09.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/07:09:20.2
4691	M1O	03-360/07:18:10.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/07:09:21.2
4692	M1O	03-360/07:18:59.5		NOTE: Exit Planetary Atmosphere 9010		03-360/07:10:10.1
4693	M1O	03-360/07:20:09.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/07:11:20.2
4694	M1O	03-360/07:20:10.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/07:11:21.2
4695	M1O	03-360/07:22:09.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/07:13:20.2
4696	M1O	03-360/07:22:10.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/07:13:21.2
4697	M1O	03-360/07:22:32.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-360/07:13:43.1
4698	M1O	03-360/07:22:32.6	43	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4699	M1O	03-360/07:22:33.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/07:13:44.1
4700	M1O	03-360/07:22:33.5	43	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4701	M1O	03-360/07:22:33.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-360/07:13:44.1
4702	M1O	03-360/07:24:09.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/07:15:20.2
4703	M1O	03-360/07:24:10.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/07:15:21.2
4704	M1O	03-360/07:26:09.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/07:17:20.2
4705	M1O	03-360/07:26:10.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/07:17:21.2
4706	M1O	03-360/07:28:09.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/07:19:20.2
4707	M1O	03-360/07:28:10.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/07:19:21.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4708	M1O	03-360/07:28:22.5		NOTE: Descending Node Crossing 9011		03-360/07:19:33.1
4709	M1O	03-360/07:30:00.0	15	End Post-Cal		
4710	M1O	03-360/07:30:09.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/07:21:20.2
4711	M1O	03-360/07:30:10.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/07:21:21.2
4712	M1O	03-360/07:32:01.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/07:23:11.8
4713	M1O	03-360/07:32:02.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-360/07:23:12.9
4714	M1O	03-360/07:32:12.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-360/07:23:22.9
4715	M1O	03-360/07:32:13.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-360/07:23:23.9
4716	M1O	03-360/07:32:14.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-360/07:23:24.9
4717	M1O	03-360/07:32:14.4	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4718	M1O	03-360/07:32:15.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-360/07:23:25.9
4719	M1O	03-360/07:37:14.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-360/07:28:24.6
4720	M1O	03-360/07:37:14.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4721	M1O	03-360/07:57:44.0		NOTE: South Pole Crossing 9011		03-360/07:48:54.4
4722	M1O	03-360/07:59:02.7		NOTE: Periapsis 9011 ----------		03-360/07:50:13.2
4723	M1O	03-360/08:26:24.3		NOTE: Enter Solar Eclipse 9011		03-360/08:17:34.7
4724	M1O	03-360/08:27:02.2		NOTE: Ascending Node Crossing 9011		03-360/08:18:12.6
4725	M1O	03-360/08:45:40.6		SPAWN, Engine = 65535, Parameters = 3, 00:35:51.114, 1	dpt	03-360/08:36:51.0
4726	M1O	03-360/08:45:42.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/08:36:53.1
4727	M1O	03-360/08:45:42.7	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4728	M1O	03-360/08:45:43.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-360/08:36:54.1
4729	M1O	03-360/08:46:42.7		NOTE: ENTER HGA KEEP OUT ZONE		
4730	M1O	03-360/08:46:42.7	43	NOTE: Loss Of X-Band Signal		
4731	M1O	03-360/08:48:35.8		NOTE: Exit Solar Eclipse 9011		03-360/08:39:46.1
4732	M1O	03-360/08:54:29.3		NOTE: Enter Planetary Atmosphere 9011		03-360/08:45:39.6
4733	M1O	03-360/08:55:55.6		NOTE: Enter Earth Occultation 9011		03-360/08:47:05.8
4734	M1O	03-360/08:56:56.2		NOTE: North Pole Crossing 9011		03-360/08:48:06.5
4735	M1O	03-360/08:58:55.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4736	M1O	03-360/08:59:13.4		NOTE: Apoapsis 9011 -		03-360/08:50:23.6
4737	M1O	03-360/09:03:55.0	43	Range Modulation On: SUP=3.0dB		
4738	M1O	03-360/09:04:55.0	43	Begin Ranging Acquisition		
4739	M1O	03-360/09:08:42.7		NOTE: EXIT HGA KEEP OUT ZONE		
4740	M1O	03-360/09:16:02.1		NOTE: Exit Earth Occultation 9011		03-360/09:07:12.3
4741	M1O	03-360/09:16:02.1	43	Acquisition Of X-Band Signal		
4742	M1O	03-360/09:16:02.1	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4743	M1O	03-360/09:16:34.4	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4744	M1O	03-360/09:17:29.3		NOTE: Exit Planetary Atmosphere 9011		03-360/09:08:39.5
4745	M1O	03-360/09:21:34.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-360/09:12:44.2
4746	M1O	03-360/09:21:34.0	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4747	M1O	03-360/09:21:35.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-360/09:12:45.2
4748	M1O	03-360/09:26:53.7		NOTE: Descending Node Crossing 9012		03-360/09:18:03.9
4749	M1O	03-360/09:56:16.0		NOTE: South Pole Crossing 9012		03-360/09:47:26.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4750	M1O	03-360/09:57:36.0		NOTE: Periapsis 9012 ----------		03-360/09:48:46.1
4751	M1O	03-360/10:12:53.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
4752	M1O	03-360/10:22:53.0	43	Range Modulation Off		
4753	M1O	03-360/10:24:58.2		NOTE: Enter Solar Eclipse 9012		03-360/10:16:08.2
4754	M1O	03-360/10:25:35.3		NOTE: Ascending Node Crossing 9012		03-360/10:16:45.3
4755	M1O	03-360/10:27:53.0	43	X-Band Transmitter Off		
4756	M1O	03-360/10:44:30.1		SPAWN, Engine = 65535, Parameters = 3, 00:35:31, 1	dpt	03-360/10:35:40.1
4757	M1O	03-360/10:44:32.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/10:35:42.2
4758	M1O	03-360/10:44:32.2	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4759	M1O	03-360/10:44:33.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-360/10:35:43.2
4760	M1O	03-360/10:45:33.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4761	M1O	03-360/10:45:34.0		NOTE: ENTER HGA KEEP OUT ZONE		
4762	M1O	03-360/10:45:34.0	43	NOTE: Loss Of X-Band Signal		
4763	M1O	03-360/10:47:03.8		NOTE: Exit Solar Eclipse 9012		03-360/10:38:13.7
4764	M1O	03-360/10:53:09.9		NOTE: Enter Planetary Atmosphere 9012		03-360/10:44:19.8
4765	M1O	03-360/10:54:36.9		NOTE: Enter Earth Occultation 9012		03-360/10:45:46.8
4766	M1O	03-360/10:55:30.6		NOTE: North Pole Crossing 9012		03-360/10:46:40.5
4767	M1O	03-360/10:57:24.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4768	M1O	03-360/10:57:51.2		NOTE: Apoapsis 9012 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4793	M1O	03-360/12:36:17.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-358T12:27:07.100, 2003-360T12:27:07.100	PCKTS_RE_TX_TIME	03-360/12:27:26.8
4794	M1O	03-360/12:36:18.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-358T12:27:07.100, 2003-360T12:27:07.100	PCKTS_RE_TX_TIME	03-360/12:27:27.8
4795	M1O	03-360/12:36:18.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-360/12:27:27.8
4796	M1O	03-360/12:36:18.1	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4797	M1O	03-360/12:43:19.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/12:34:28.8
4798	M1O	03-360/12:43:19.2	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4799	M1O	03-360/12:43:20.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-360/12:34:29.8
4800	M1O	03-360/12:43:36.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-360/12:34:45.8
4801	M1O	03-360/12:43:36.2	43	D/L RF Warning: SC antenna change - expect signal level variation		
4802	M1O	03-360/12:43:37.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-360/12:34:46.8
4803	M1O	03-360/12:44:07.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4804	M1O	03-360/12:44:09.4		NOTE: ENTER HGA KEEP OUT ZONE		
4805	M1O	03-360/12:44:09.4	43	NOTE: Loss Of X-Band Signal		
4806	M1O	03-360/12:45:36.0		NOTE: Exit Solar Eclipse 9013		03-360/12:36:45.6
4807	M1O	03-360/12:51:50.1		NOTE: Enter Planetary Atmosphere 9013		03-360/12:42:59.7
4808	M1O	03-360/12:53:17.5		NOTE: Enter Earth Occultation 9013		03-360/12:44:27.1
4809	M1O	03-360/12:54:07.1		NOTE: North Pole Crossing 9013		03-360/12:45:16.7
4810	M1O	03-360/12:56:20.3		NOTE: Apoapsis 9013 -		03-360/12:47:29.8
4811	M1O	03-360/13:00:00.0	54	Begin Pre-Cal		
4812	M1O	03-360/13:00:00.0	54	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
4813	M1O	03-360/13:00:00.0	54	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
4814	M1O	03-360/13:00:00.0	54	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
4815	M1O	03-360/13:00:00.0	54	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
4816	M1O	03-360/13:00:00.0	54	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
4817	M1O	03-360/13:00:00.0	54	Config: RCV: Parms:		
4818	M1O	03-360/13:00:00.0	54	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
4819	M1O	03-360/13:00:00.0	54	Config: TGC: BAND=X, SR=221200.000000		
4820	M1O	03-360/13:00:00.0	54	Config: TXL		
4821	M1O	03-360/13:00:00.0	54	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
4822	M1O	03-360/13:00:00.0	54	Config: CMD		
4823	M1O	03-360/13:00:00.0	54	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
4824	M1O	03-360/13:05:29.4		NOTE: EXIT HGA KEEP OUT ZONE		
4825	M1O	03-360/13:10:48.0	43	NOTE: Below Uplink Interlock Limit		
4826	M1O	03-360/13:13:06.4		NOTE: Exit Earth Occultation 9013		03-360/13:04:15.9
4827	M1O	03-360/13:13:06.4	43	Acquisition Of X-Band Signal		
4828	M1O	03-360/13:13:06.4	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4829	M1O	03-360/13:14:34.9		NOTE: Exit Planetary Atmosphere 9013		03-360/13:05:44.3
4830	M1O	03-360/13:20:00.0	43	End Tracking		
4831	M1O	03-360/13:24:07.1		NOTE: Descending Node Crossing 9014		03-360/13:15:16.5
4832	M1O	03-360/13:35:00.0	43	End Post-Cal		
4833	M1O	03-360/13:53:29.3		NOTE: South Pole Crossing 9014		03-360/13:44:38.7
4834	M1O	03-360/13:54:55.0		NOTE: Periapsis 9014 ----------		03-360/13:46:04.4
4835	M1O	03-360/14:22:09.9		NOTE: Enter Solar Eclipse 9014		03-360/14:13:19.1
4836	M1O	03-360/14:22:48.0		NOTE: Ascending Node Crossing 9014		03-360/14:13:57.2
4837	M1O	03-360/14:29:35.4		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-360/14:20:44.6
4838	M1O	03-360/14:29:35.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/14:20:44.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4839	M1O	03-360/14:29:36.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-360/14:20:45.7
4840	M1O	03-360/14:29:37.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-360/14:20:46.7
4841	M1O	03-360/14:29:38.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-360/14:20:47.7
4842	M1O	03-360/14:29:39.5		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-360/14:20:48.7
4843	M1O	03-360/14:29:49.5		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-360/14:20:58.7
4844	M1O	03-360/14:29:59.5		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-360/14:21:08.7
4845	M1O	03-360/14:30:00.0	54	Begin Tracking		
4846	M1O	03-360/14:30:00.0	54	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4847	M1O	03-360/14:30:00.4		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		03-360/14:21:09.6
4848	M1O	03-360/14:30:00.4		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	03-360/14:21:09.6
4849	M1O	03-360/14:30:00.4	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4850	M1O	03-360/14:34:59.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-360/14:26:08.7
4851	M1O	03-360/14:35:00.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-360/14:26:09.7
4852	M1O	03-360/14:35:00.5	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4853	M1O	03-360/14:35:01.5		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-360/14:26:10.7
4854	M1O	03-360/14:41:44.7		SPAWN, Engine = 65535, Parameters = 3, 00:35:28.207, 1	dpt	03-360/14:32:54.0
4855	M1O	03-360/14:41:46.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/14:32:56.1
4856	M1O	03-360/14:41:46.8	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4857	M1O	03-360/14:41:47.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-360/14:32:57.1
4858	M1O	03-360/14:42:46.7		NOTE: ENTER HGA KEEP OUT ZONE		
4859	M1O	03-360/14:42:46.7	54	NOTE: Loss Of X-Band Signal		
4860	M1O	03-360/14:44:12.6		NOTE: Exit Solar Eclipse 9014		03-360/14:35:21.9
4861	M1O	03-360/14:50:26.0		NOTE: Enter Planetary Atmosphere 9014		03-360/14:41:35.2
4862	M1O	03-360/14:51:53.3		NOTE: Enter Earth Occultation 9014		03-360/14:43:02.5
4863	M1O	03-360/14:52:43.9		NOTE: North Pole Crossing 9014		03-360/14:43:53.1
4864	M1O	03-360/14:54:34.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4865	M1O	03-360/14:54:42.2		NOTE: Apoapsis 9014 -		03-360/14:45:51.4
4866	M1O	03-360/14:59:34.0	54	Range Modulation On: SUP=3.0dB		
4867	M1O	03-360/15:00:34.0	54	Begin Ranging Acquisition		
4868	M1O	03-360/15:04:06.8		NOTE: EXIT HGA KEEP OUT ZONE		
4869	M1O	03-360/15:11:43.9		NOTE: Exit Earth Occultation 9014		03-360/15:02:53.1
4870	M1O	03-360/15:11:43.9	54	Acquisition Of X-Band Signal		
4871	M1O	03-360/15:11:43.9	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4872	M1O	03-360/15:12:15.6	54	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4873	M1O	03-360/15:13:12.2		NOTE: Exit Planetary Atmosphere 9014		03-360/15:04:21.3
4874	M1O	03-360/15:17:15.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-360/15:08:24.3
4875	M1O	03-360/15:17:15.1	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4876	M1O	03-360/15:17:16.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-360/15:08:25.3
4877	M1O	03-360/15:22:43.5		NOTE: Descending Node Crossing 9015		03-360/15:13:52.6
4878	M1O	03-360/15:52:05.9		NOTE: South Pole Crossing 9015		03-360/15:43:14.9
4879	M1O	03-360/15:53:28.6		NOTE: Periapsis 9015 ----------		03-360/15:44:37.6
4880	M1O	03-360/16:08:40.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
4881	M1O	03-360/16:18:40.0	54	Range Modulation Off		
4882	M1O	03-360/16:20:46.3		NOTE: Enter Solar Eclipse 9015		03-360/16:11:55.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4883	M1O	03-360/16:21:24.7		NOTE: Ascending Node Crossing 9015		03-360/16:12:33.6
4884	M1O	03-360/16:23:40.0	54	X-Band Transmitter Off		
4885	M1O	03-360/16:40:19.3		SPAWN, Engine = 65535, Parameters = 3, 00:35:32, 1	dpt	03-360/16:31:28.2
4886	M1O	03-360/16:40:21.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/16:31:30.3
4887	M1O	03-360/16:40:21.4	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4888	M1O	03-360/16:40:22.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-360/16:31:31.3
4889	M1O	03-360/16:41:22.1	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4890	M1O	03-360/16:41:23.1		NOTE: ENTER HGA KEEP OUT ZONE		
4891	M1O	03-360/16:41:23.1	54	NOTE: Loss Of X-Band Signal		
4892	M1O	03-360/16:42:51.7		NOTE: Exit Solar Eclipse 9015		03-360/16:34:00.6
4893	M1O	03-360/16:48:56.9		NOTE: Enter Planetary Atmosphere 9015		03-360/16:40:05.7
4894	M1O	03-360/16:50:23.6		NOTE: Enter Earth Occultation 9015		03-360/16:41:32.5
4895	M1O	03-360/16:51:19.5		NOTE: North Pole Crossing 9015		03-360/16:42:28.4
4896	M1O	03-360/16:53:09.6		NOTE: Apoapsis 9015 -		03-360/16:44:18.5
4897	M1O	03-360/16:53:12.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4898	M1O	03-360/16:58:12.0	54	Range Modulation On: SUP=3.0dB		
4899	M1O	03-360/16:59:12.0	54	Begin Ranging Acquisition		
4900	M1O	03-360/17:02:43.2		NOTE: EXIT HGA KEEP OUT ZONE		
4901	M1O	03-360/17:10:21.8		NOTE: Exit Earth Occultation 9015		03-360/17:01:30.5
4902	M1O	03-360/17:10:21.8	54	Acquisition Of X-Band Signal		
4903	M1O	03-360/17:10:21.8	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4904	M1O	03-360/17:10:54.3	54	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4905	M1O	03-360/17:11:49.5		NOTE: Exit Planetary Atmosphere 9015		03-360/17:02:58.2
4906	M1O	03-360/17:15:53.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-360/17:07:02.3
4907	M1O	03-360/17:15:53.5	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4908	M1O	03-360/17:15:54.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-360/17:07:03.3
4909	M1O	03-360/17:21:17.7		NOTE: Descending Node Crossing 9016		03-360/17:12:26.5
4910	M1O	03-360/17:50:40.0		NOTE: South Pole Crossing 9016		03-360/17:41:48.7
4911	M1O	03-360/17:52:05.7		NOTE: Periapsis 9016 ----------		03-360/17:43:14.4
4912	M1O	03-360/18:05:50.4		SPAWN, Engine = 65535, Parameters = 360, 03, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-360/17:56:59.0
4913	M1O	03-360/18:05:50.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/17:56:59.5
4914	M1O	03-360/18:05:50.9	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4915	M1O	03-360/18:05:51.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-360/17:57:00.1
4916	M1O	03-360/18:05:53.5		CALL, Engine = , Parameters = 56	get_cmd_opt	03-360/17:57:02.1
4917	M1O	03-360/18:05:53.8		CALL, Engine = , Parameters = 360, 03, 056	bld_autosw	03-360/17:57:02.4
4918	M1O	03-360/18:05:54.9		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-360/17:57:03.5
4919	M1O	03-360/18:05:56.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/17:57:04.6
4920	M1O	03-360/18:05:57.0		Deletes the designated file.: d:/dat/056_doy360_pass03_file01.dat	FILE_DELETE	03-360/17:57:05.6
4921	M1O	03-360/18:05:58.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/17:57:06.7
4922	M1O	03-360/18:05:59.1		Deletes the designated file.: d:/dat/056_doy360_pass03_file02.dat	FILE_DELETE	03-360/17:57:07.7
4923	M1O	03-360/18:06:00.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/17:57:08.8
4924	M1O	03-360/18:06:01.2		Deletes the designated file.: d:/dat/056_doy360_pass03_file03.dat	FILE_DELETE	03-360/17:57:09.8
4925	M1O	03-360/18:06:02.3		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-360/17:57:10.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy360_pass03_file04.dat, d:/dat/autoswitch.dat		
4926	M1O	03-360/18:06:03.3		Deletes the designated file.: d:/dat/056_doy360_pass03_file04.dat	FILE_DELETE	03-360/17:57:11.9
4927	M1O	03-360/18:06:04.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/17:57:13.0
4928	M1O	03-360/18:06:05.4		Deletes the designated file.: d:/dat/056_doy360_pass03_file05.dat	FILE_DELETE	03-360/17:57:14.0
4929	M1O	03-360/18:06:06.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/17:57:15.1
4930	M1O	03-360/18:06:07.5		Deletes the designated file.: d:/dat/056_doy360_pass03_file06.dat	FILE_DELETE	03-360/17:57:16.1
4931	M1O	03-360/18:06:08.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/17:57:17.2
4932	M1O	03-360/18:06:09.6		Deletes the designated file.: d:/dat/056_doy360_pass03_file07.dat	FILE_DELETE	03-360/17:57:18.2
4933	M1O	03-360/18:06:10.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/17:57:19.3
4934	M1O	03-360/18:06:11.7		Deletes the designated file.: d:/dat/056_doy360_pass03_file08.dat	FILE_DELETE	03-360/17:57:20.3
4935	M1O	03-360/18:06:12.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/17:57:21.4
4936	M1O	03-360/18:06:13.8		Deletes the designated file.: d:/dat/056_doy360_pass03_file09.dat	FILE_DELETE	03-360/17:57:22.4
4937	M1O	03-360/18:06:14.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/17:57:23.5
4938	M1O	03-360/18:06:15.9		Deletes the designated file.: d:/dat/056_doy360_pass03_file10.dat	FILE_DELETE	03-360/17:57:24.5
4939	M1O	03-360/18:06:17.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/17:57:25.6
4940	M1O	03-360/18:06:18.0		Deletes the designated file.: d:/dat/056_doy360_pass03_file11.dat	FILE_DELETE	03-360/17:57:26.6
4941	M1O	03-360/18:06:19.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/17:57:27.7
4942	M1O	03-360/18:06:20.1		Deletes the designated file.: d:/dat/056_doy360_pass03_file12.dat	FILE_DELETE	03-360/17:57:28.7
4943	M1O	03-360/18:06:21.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/17:57:29.8
4944	M1O	03-360/18:06:22.2		Deletes the designated file.: d:/dat/056_doy360_pass03_file13.dat	FILE_DELETE	03-360/17:57:30.8
4945	M1O	03-360/18:06:23.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/17:57:31.9
4946	M1O	03-360/18:06:24.3		Deletes the designated file.: d:/dat/056_doy360_pass03_file14.dat	FILE_DELETE	03-360/17:57:32.9
4947	M1O	03-360/18:06:25.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/17:57:34.0
4948	M1O	03-360/18:06:26.4		Deletes the designated file.: d:/dat/056_doy360_pass03_file15.dat	FILE_DELETE	03-360/17:57:35.0
4949	M1O	03-360/18:06:27.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/17:57:36.1
4950	M1O	03-360/18:06:28.5		Deletes the designated file.: d:/dat/056_doy360_pass03_file16.dat	FILE_DELETE	03-360/17:57:37.1
4951	M1O	03-360/18:06:29.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/17:57:38.2
4952	M1O	03-360/18:06:30.6		Deletes the designated file.: d:/dat/056_doy360_pass03_file17.dat	FILE_DELETE	03-360/17:57:39.2
4953	M1O	03-360/18:06:31.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/17:57:40.3
4954	M1O	03-360/18:06:32.7		Deletes the designated file.: d:/dat/056_doy360_pass03_file18.dat	FILE_DELETE	03-360/17:57:41.3
4955	M1O	03-360/18:06:33.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/17:57:42.4
4956	M1O	03-360/18:06:34.8		Deletes the designated file.: d:/dat/056_doy360_pass03_file19.dat	FILE_DELETE	03-360/17:57:43.4
4957	M1O	03-360/18:06:35.8		CALL, Engine = , Parameters = 56	get_apid	03-360/17:57:44.4
4958	M1O	03-360/18:06:36.9		CALL, Engine = , Parameters = 56	get_rcv_mode	03-360/17:57:45.5
4959	M1O	03-360/18:06:37.1		CALL, Engine = , Parameters = 56	get_dl_rate	03-360/17:57:45.7
4960	M1O	03-360/18:06:38.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-360/17:57:46.8
4961	M1O	03-360/18:06:39.4		CALL, Engine = , Parameters = 56	get_coding	03-360/17:57:48.0
4962	M1O	03-360/18:06:40.6		CALL, Engine = , Parameters = 56	get_xmt_mode	03-360/17:57:49.2
4963	M1O	03-360/18:06:41.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-360/17:57:50.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4964	M1O	03-360/18:07:13.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
4965	M1O	03-360/18:07:46.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-360/17:58:55.2
4966	M1O	03-360/18:07:47.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-360/17:58:56.2
4967	M1O	03-360/18:07:48.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-360/17:58:57.2
4968	M1O	03-360/18:07:49.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-360/17:58:58.2
4969	M1O	03-360/18:07:50.6		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-360/17:58:59.2
4970	M1O	03-360/18:07:51.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-360/17:59:00.2
4971	M1O	03-360/18:07:52.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/17:59:01.2
4972	M1O	03-360/18:08:42.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/17:59:51.2
4973	M1O	03-360/18:08:52.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-360/18:00:01.2
4974	M1O	03-360/18:10:53.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/18:02:02.2
4975	M1O	03-360/18:10:54.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/18:02:03.2
4976	M1O	03-360/18:12:53.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/18:04:02.2
4977	M1O	03-360/18:12:54.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/18:04:03.2
4978	M1O	03-360/18:14:53.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/18:06:02.2
4979	M1O	03-360/18:14:54.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/18:06:03.2
4980	M1O	03-360/18:16:53.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/18:08:02.2
4981	M1O	03-360/18:16:54.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/18:08:03.2
4982	M1O	03-360/18:17:13.0	54	Range Modulation Off		
4983	M1O	03-360/18:18:53.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/18:10:02.2
4984	M1O	03-360/18:18:54.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/18:10:03.2
4985	M1O	03-360/18:19:19.6		NOTE: Enter Solar Eclipse 9016		03-360/18:10:28.1
4986	M1O	03-360/18:19:58.7		NOTE: Ascending Node Crossing 9016		03-360/18:11:07.3
4987	M1O	03-360/18:20:53.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/18:12:02.2
4988	M1O	03-360/18:20:54.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/18:12:03.2
4989	M1O	03-360/18:22:13.0	54	X-Band Transmitter Off		
4990	M1O	03-360/18:22:53.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/18:14:02.2
4991	M1O	03-360/18:22:54.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/18:14:03.2
4992	M1O	03-360/18:24:53.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/18:16:02.2
4993	M1O	03-360/18:24:54.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/18:16:03.2
4994	M1O	03-360/18:26:53.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/18:18:02.2
4995	M1O	03-360/18:26:54.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/18:18:03.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4996	M1O	03-360/18:28:53.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/18:20:02.2
4997	M1O	03-360/18:28:54.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/18:20:03.2
4998	M1O	03-360/18:30:53.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/18:22:02.2
4999	M1O	03-360/18:30:54.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/18:22:03.2
5000	M1O	03-360/18:32:53.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/18:24:02.2
5001	M1O	03-360/18:32:54.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/18:24:03.2
5002	M1O	03-360/18:34:53.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/18:26:02.2
5003	M1O	03-360/18:34:54.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/18:26:03.2
5004	M1O	03-360/18:36:53.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/18:28:02.2
5005	M1O	03-360/18:36:54.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/18:28:03.2
5006	M1O	03-360/18:38:53.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/18:30:02.2
5007	M1O	03-360/18:38:53.8		SPAWN, Engine = 65535, Parameters = 3, 00:35:32, 1	dpt	03-360/18:30:02.3
5008	M1O	03-360/18:38:54.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/18:30:03.2
5009	M1O	03-360/18:38:55.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/18:30:04.4
5010	M1O	03-360/18:38:56.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-360/18:30:05.4
5011	M1O	03-360/18:39:50.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/18:30:59.2
5012	M1O	03-360/18:39:51.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-360/18:31:00.3
5013	M1O	03-360/18:39:55.8	54	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5014	M1O	03-360/18:39:57.5		NOTE: ENTER HGA KEEP OUT ZONE		
5015	M1O	03-360/18:39:57.5	54	NOTE: Loss Of X-Band Signal		
5016	M1O	03-360/18:40:01.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-360/18:31:10.3
5017	M1O	03-360/18:40:02.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-360/18:31:11.3
5018	M1O	03-360/18:40:03.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-360/18:31:12.3
5019	M1O	03-360/18:40:04.8		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-360/18:31:13.3
5020	M1O	03-360/18:41:28.3		NOTE: Exit Solar Eclipse 9016		03-360/18:32:36.8
5021	M1O	03-360/18:47:25.6		NOTE: Enter Planetary Atmosphere 9016		03-360/18:38:34.0
5022	M1O	03-360/18:48:52.0		NOTE: Enter Earth Occultation 9016		03-360/18:40:00.4
5023	M1O	03-360/18:49:52.6		NOTE: North Pole Crossing 9016		03-360/18:41:01.1
5024	M1O	03-360/18:51:45.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5025	M1O	03-360/18:51:59.0		NOTE: Apoapsis 9016 -		03-360/18:43:07.4
5026	M1O	03-360/18:55:00.0	25	Begin Pre-Cal		
5027	M1O	03-360/18:55:00.0	25	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
5028	M1O	03-360/18:55:00.0	25	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
5029	M1O	03-360/18:55:00.0	25	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
5030	M1O	03-360/18:55:00.0	25	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
5031	M1O	03-360/18:55:00.0	25	At BOT: S/C Tlm Mode: BR=0.0, FL=10112, SC=375KHZ, MI=71.7		
5032	M1O	03-360/18:55:00.0	25	Config: RCV: Parms:		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5033	M1O	03-360/18:55:00.0	25	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
5034	M1O	03-360/18:55:00.0	25	Config: TGC: BAND=X, SR=0.000000		
5035	M1O	03-360/18:55:00.0	25	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
5036	M1O	03-360/18:56:45.0	54	Range Modulation On: SUP=3.0dB		
5037	M1O	03-360/18:57:45.0	54	Begin Ranging Acquisition		
5038	M1O	03-360/19:01:17.5		NOTE: EXIT HGA KEEP OUT ZONE		
5039	M1O	03-360/19:08:56.1		NOTE: Exit Earth Occultation 9016		03-360/19:00:04.6
5040	M1O	03-360/19:08:56.1	54	Acquisition Of X-Band Signal		
5041	M1O	03-360/19:08:56.1	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5042	M1O	03-360/19:09:28.0	54	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5043	M1O	03-360/19:10:23.5		NOTE: Exit Planetary Atmosphere 9016		03-360/19:01:31.9
5044	M1O	03-360/19:14:28.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-360/19:05:36.4
5045	M1O	03-360/19:14:28.0	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5046	M1O	03-360/19:14:29.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-360/19:05:37.4
5047	M1O	03-360/19:19:50.0		NOTE: Descending Node Crossing 9017		03-360/19:10:58.3
5048	M1O	03-360/19:49:11.4		NOTE: South Pole Crossing 9017		03-360/19:40:19.7
5049	M1O	03-360/19:50:33.7		NOTE: Periapsis 9017 ----------		03-360/19:41:41.9
5050	M1O	03-360/20:05:45.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
5051	M1O	03-360/20:15:29.7		SPAWN, Engine = 65535, Parameters = 360, 04, TRUE, 00:08:17.472, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-360/20:06:38.0
5052	M1O	03-360/20:15:30.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/20:06:38.5
5053	M1O	03-360/20:15:30.2	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5054	M1O	03-360/20:15:30.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-360/20:06:39.1
5055	M1O	03-360/20:15:32.8		CALL, Engine = , Parameters = 56	get_cmd_opt	03-360/20:06:41.1
5056	M1O	03-360/20:15:33.1		CALL, Engine = , Parameters = 360, 04, 056	bld_autosw	03-360/20:06:41.4
5057	M1O	03-360/20:15:34.2		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-360/20:06:42.5
5058	M1O	03-360/20:15:35.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/20:06:43.6
5059	M1O	03-360/20:15:36.3		Deletes the designated file.: d:/dat/056_doy360_pass04_file01.dat	FILE_DELETE	03-360/20:06:44.6
5060	M1O	03-360/20:15:37.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/20:06:45.7
5061	M1O	03-360/20:15:38.4		Deletes the designated file.: d:/dat/056_doy360_pass04_file02.dat	FILE_DELETE	03-360/20:06:46.7
5062	M1O	03-360/20:15:39.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/20:06:47.8
5063	M1O	03-360/20:15:40.5		Deletes the designated file.: d:/dat/056_doy360_pass04_file03.dat	FILE_DELETE	03-360/20:06:48.8
5064	M1O	03-360/20:15:41.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/20:06:49.9
5065	M1O	03-360/20:15:42.6		Deletes the designated file.: d:/dat/056_doy360_pass04_file04.dat	FILE_DELETE	03-360/20:06:50.9
5066	M1O	03-360/20:15:43.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/20:06:52.0
5067	M1O	03-360/20:15:44.7		Deletes the designated file.: d:/dat/056_doy360_pass04_file05.dat	FILE_DELETE	03-360/20:06:53.0
5068	M1O	03-360/20:15:45.0	54	Range Modulation Off		
5069	M1O	03-360/20:15:45.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/20:06:54.1
5070	M1O	03-360/20:15:46.8		Deletes the designated file.: d:/dat/056_doy360_pass04_file06.dat	FILE_DELETE	03-360/20:06:55.1
5071	M1O	03-360/20:15:47.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/20:06:56.2
5072	M1O	03-360/20:15:48.9		Deletes the designated file.: d:/dat/056_doy360_pass04_file07.dat	FILE_DELETE	03-360/20:06:57.2
5073	M1O	03-360/20:15:50.0		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-360/20:06:58.3

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				d:/dat/056_doy360_pass04_file08.dat, d:/dat/autoswitch.dat		
5074	M1O	03-360/20:15:51.0		Deletes the designated file.: d:/dat/056_doy360_pass04_file08.dat	FILE_DELETE	03-360/20:06:59.3
5075	M1O	03-360/20:15:52.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/20:07:00.4
5076	M1O	03-360/20:15:53.1		Deletes the designated file.: d:/dat/056_doy360_pass04_file09.dat	FILE_DELETE	03-360/20:07:01.4
5077	M1O	03-360/20:15:54.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/20:07:02.5
5078	M1O	03-360/20:15:55.2		Deletes the designated file.: d:/dat/056_doy360_pass04_file10.dat	FILE_DELETE	03-360/20:07:03.5
5079	M1O	03-360/20:15:56.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/20:07:04.6
5080	M1O	03-360/20:15:57.3		Deletes the designated file.: d:/dat/056_doy360_pass04_file11.dat	FILE_DELETE	03-360/20:07:05.6
5081	M1O	03-360/20:15:58.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/20:07:06.7
5082	M1O	03-360/20:15:59.4		Deletes the designated file.: d:/dat/056_doy360_pass04_file12.dat	FILE_DELETE	03-360/20:07:07.7
5083	M1O	03-360/20:16:00.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/20:07:08.8
5084	M1O	03-360/20:16:01.5		Deletes the designated file.: d:/dat/056_doy360_pass04_file13.dat	FILE_DELETE	03-360/20:07:09.8
5085	M1O	03-360/20:16:02.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/20:07:10.9
5086	M1O	03-360/20:16:03.6		Deletes the designated file.: d:/dat/056_doy360_pass04_file14.dat	FILE_DELETE	03-360/20:07:11.9
5087	M1O	03-360/20:16:04.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/20:07:13.0
5088	M1O	03-360/20:16:05.7		Deletes the designated file.: d:/dat/056_doy360_pass04_file15.dat	FILE_DELETE	03-360/20:07:14.0
5089	M1O	03-360/20:16:06.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/20:07:15.1
5090	M1O	03-360/20:16:07.8		Deletes the designated file.: d:/dat/056_doy360_pass04_file16.dat	FILE_DELETE	03-360/20:07:16.1
5091	M1O	03-360/20:16:08.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/20:07:17.2
5092	M1O	03-360/20:16:09.9		Deletes the designated file.: d:/dat/056_doy360_pass04_file17.dat	FILE_DELETE	03-360/20:07:18.2
5093	M1O	03-360/20:16:11.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/20:07:19.3
5094	M1O	03-360/20:16:12.0		Deletes the designated file.: d:/dat/056_doy360_pass04_file18.dat	FILE_DELETE	03-360/20:07:20.3
5095	M1O	03-360/20:16:13.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/20:07:21.4
5096	M1O	03-360/20:16:14.1		Deletes the designated file.: d:/dat/056_doy360_pass04_file19.dat	FILE_DELETE	03-360/20:07:22.4
5097	M1O	03-360/20:16:15.1		CALL, Engine = , Parameters = 56	get_apid	03-360/20:07:23.4
5098	M1O	03-360/20:16:16.2		CALL, Engine = , Parameters = 56	get_rcv_mode	03-360/20:07:24.5
5099	M1O	03-360/20:16:16.4		CALL, Engine = , Parameters = 56	get_dl_rate	03-360/20:07:24.7
5100	M1O	03-360/20:16:17.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-360/20:07:25.8
5101	M1O	03-360/20:16:18.7		CALL, Engine = , Parameters = 56	get_coding	03-360/20:07:27.0
5102	M1O	03-360/20:16:19.9		CALL, Engine = , Parameters = 56	get_xmt_mode	03-360/20:07:28.2
5103	M1O	03-360/20:16:21.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-360/20:07:29.4
5104	M1O	03-360/20:17:26.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-360/20:08:34.2
5105	M1O	03-360/20:17:27.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-360/20:08:35.2
5106	M1O	03-360/20:17:28.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-360/20:08:36.2
5107	M1O	03-360/20:17:29.0		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-360/20:08:37.2
5108	M1O	03-360/20:17:30.0		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-360/20:08:38.2
5109	M1O	03-360/20:17:31.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-360/20:08:39.2
5110	M1O	03-360/20:17:32.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/20:08:40.2
5111	M1O	03-360/20:17:49.9		NOTE: Enter Solar Eclipse 9017		03-360/20:08:58.1
5112	M1O	03-360/20:18:22.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/20:09:30.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5113	M1O	03-360/20:18:29.4		NOTE: Ascending Node Crossing 9017		03-360/20:09:37.6
5114	M1O	03-360/20:18:32.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-360/20:09:40.2
5115	M1O	03-360/20:20:33.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/20:11:41.2
5116	M1O	03-360/20:20:34.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/20:11:42.2
5117	M1O	03-360/20:20:45.0	54	X-Band Transmitter Off		
5118	M1O	03-360/20:22:33.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/20:13:41.2
5119	M1O	03-360/20:22:34.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/20:13:42.2
5120	M1O	03-360/20:24:33.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/20:15:41.2
5121	M1O	03-360/20:24:34.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-360/20:15:42.2
5122	M1O	03-360/20:25:00.0	25	Begin Tracking		
5123	M1O	03-360/20:25:00.0	25	Acquire D/L: X/08, 3-Way/54, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5124	M1O	03-360/20:25:47.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-360/20:16:55.6
5125	M1O	03-360/20:25:48.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-360/20:16:56.7
5126	M1O	03-360/20:25:58.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-360/20:17:06.7
5127	M1O	03-360/20:25:59.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-360/20:17:07.7
5128	M1O	03-360/20:26:00.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-360/20:17:08.7
5129	M1O	03-360/20:26:00.5	25	D/L Change: X/08, 3-Way/54, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5130	M1O	03-360/20:26:00.5	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5131	M1O	03-360/20:26:01.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-360/20:17:09.7
5132	M1O	03-360/20:31:00.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-360/20:22:08.4
5133	M1O	03-360/20:31:00.3	25	D/L Change: X/08, 3-Way/54, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5134	M1O	03-360/20:31:00.3	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5135	M1O	03-360/20:34:42.0	25	NOTE: Above Uplink Interlock Limit		
5136	M1O	03-360/20:37:26.1		SPAWN, Engine = 65535, Parameters = 3, 00:35:30, 1	dpt	03-360/20:28:34.3
5137	M1O	03-360/20:37:28.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/20:28:36.4
5138	M1O	03-360/20:37:28.2	25	D/L Change: X/08, 3-Way/54, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5139	M1O	03-360/20:37:28.2	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5140	M1O	03-360/20:37:29.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-360/20:28:37.4
5141	M1O	03-360/20:38:28.6	25	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5142	M1O	03-360/20:38:28.6	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5143	M1O	03-360/20:38:29.8		NOTE: ENTER HGA KEEP OUT ZONE		
5144	M1O	03-360/20:38:29.8	25	NOTE: Loss Of X-Band Signal		
5145	M1O	03-360/20:38:29.8	54	NOTE: Loss Of X-Band Signal		
5146	M1O	03-360/20:39:58.0		NOTE: Exit Solar Eclipse 9017		03-360/20:31:06.2
5147	M1O	03-360/20:45:57.6		NOTE: Enter Planetary Atmosphere 9017		03-360/20:37:05.7
5148	M1O	03-360/20:47:24.1		NOTE: Enter Earth Occultation 9017		03-360/20:38:32.2
5149	M1O	03-360/20:48:23.9		NOTE: North Pole Crossing 9017		03-360/20:39:32.0
5150	M1O	03-360/20:50:15.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5151	M1O	03-360/20:50:22.6		NOTE: Apoapsis 9017 -		03-360/20:41:30.7
5152	M1O	03-360/20:55:15.0	54	Range Modulation On: SUP=3.0dB		
5153	M1O	03-360/20:56:15.0	54	Begin Ranging Acquisition		
5154	M1O	03-360/20:59:49.9		NOTE: EXIT HGA KEEP OUT ZONE		
5155	M1O	03-360/21:07:26.7		NOTE: Exit Earth Occultation 9017		03-360/20:58:34.7
5156	M1O	03-360/21:07:26.7	25	Acquisition Of X-Band Signal		
5157	M1O	03-360/21:07:26.7	25	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5158	M1O	03-360/21:07:26.7	54	Acquisition Of X-Band Signal		
5159	M1O	03-360/21:07:26.7	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5160	M1O	03-360/21:07:58.7	25	Acquire D/L: X/08, 3-Way/54, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5161	M1O	03-360/21:07:58.7	54	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5162	M1O	03-360/21:08:54.2		NOTE: Exit Planetary Atmosphere 9017		03-360/21:00:02.3
5163	M1O	03-360/21:12:58.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-360/21:04:06.4
5164	M1O	03-360/21:12:58.3	25	D/L Change: X/08, 3-Way/54, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5165	M1O	03-360/21:12:58.3	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5166	M1O	03-360/21:12:59.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-360/21:04:07.4
5167	M1O	03-360/21:18:21.7		NOTE: Descending Node Crossing 9018		03-360/21:09:29.7
5168	M1O	03-360/21:40:00.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
5169	M1O	03-360/21:42:15.8	54	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
5170	M1O	03-360/21:47:42.9		NOTE: South Pole Crossing 9018		03-360/21:38:50.8
5171	M1O	03-360/21:48:44.0		NOTE: Periapsis 9018 ----------		03-360/21:39:51.9
5172	M1O	03-360/21:50:00.0	54	Range Modulation Off		
5173	M1O	03-360/21:55:00.0	54	X-Band Transmitter Off		
5174	M1O	03-360/22:00:00.0	54	End Tracking		
5175	M1O	03-360/22:11:41.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-360/22:02:49.3
5176	M1O	03-360/22:11:43.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/22:02:51.4
5177	M1O	03-360/22:11:43.5	25	D/L Change: X/08, 3-Way/54, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5178	M1O	03-360/22:11:44.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-360/22:02:52.4
5179	M1O	03-360/22:12:44.1	25	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5180	M1O	03-360/22:15:00.0	54	End Post-Cal		
5181	M1O	03-360/22:16:23.7		NOTE: Enter Solar Eclipse 9018		03-360/22:07:31.5
5182	M1O	03-360/22:17:01.5		NOTE: Ascending Node Crossing 9018		03-360/22:08:09.4
5183	M1O	03-360/22:17:43.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-360/22:08:51.4
5184	M1O	03-360/22:17:43.5	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5185	M1O	03-360/22:17:44.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-360/22:08:52.4
5186	M1O	03-360/22:35:59.2		SPAWN, Engine = 65535, Parameters = 3, 00:34:55.259, 1	dpt	03-360/22:27:07.0
5187	M1O	03-360/22:36:01.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/22:27:09.1
5188	M1O	03-360/22:36:01.3	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5189	M1O	03-360/22:36:02.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-360/22:27:10.1
5190	M1O	03-360/22:37:01.2		NOTE: ENTER HGA KEEP OUT ZONE		
5191	M1O	03-360/22:37:01.2	25	NOTE: Loss Of X-Band Signal		
5192	M1O	03-360/22:38:25.7		NOTE: Exit Solar Eclipse 9018		03-360/22:29:33.5
5193	M1O	03-360/22:44:35.6		NOTE: Enter Planetary Atmosphere 9018		03-360/22:35:43.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5194	M1O	03-360/22:46:02.7		NOTE: Enter Earth Occultation 9018		03-360/22:37:10.4
5195	M1O	03-360/22:46:57.0		NOTE: North Pole Crossing 9018		03-360/22:38:04.8
5196	M1O	03-360/22:48:35.9		NOTE: Apoapsis 9018 -		03-360/22:39:43.7
5197	M1O	03-360/22:58:21.2		NOTE: EXIT HGA KEEP OUT ZONE		
5198	M1O	03-360/23:05:56.5		NOTE: Exit Earth Occultation 9018		03-360/22:57:04.2
5199	M1O	03-360/23:05:56.5	25	Acquisition Of X-Band Signal		
5200	M1O	03-360/23:05:56.5	25	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5201	M1O	03-360/23:07:24.6		NOTE: Exit Planetary Atmosphere 9018		03-360/22:58:32.3
5202	M1O	03-360/23:10:56.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-360/23:02:04.3
5203	M1O	03-360/23:10:56.6	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5204	M1O	03-360/23:10:57.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-360/23:02:05.3
5205	M1O	03-360/23:16:55.6		NOTE: Descending Node Crossing 9019		03-360/23:08:03.2
5206	M1O	03-360/23:46:18.1		NOTE: South Pole Crossing 9019		03-360/23:37:25.6
5207	M1O	03-360/23:47:25.0		NOTE: Periapsis 9019 ----------		03-360/23:38:32.5
5208	M1O	03-361/00:00:00.0		Light Time: OWLT = 08:52, RTLT = 17:45		
5209	M1O	03-361/00:15:00.8		NOTE: Enter Solar Eclipse 9019		03-361/00:06:08.3
5210	M1O	03-361/00:15:37.8		NOTE: Ascending Node Crossing 9019		03-361/00:06:45.3
5211	M1O	03-361/00:34:33.5		SPAWN, Engine = 65535, Parameters = 3, 00:34:53.975, 1	dpt	03-361/00:25:41.0
5212	M1O	03-361/00:34:35.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/00:25:43.1
5213	M1O	03-361/00:34:35.6	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5214	M1O	03-361/00:34:36.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-361/00:25:44.1
5215	M1O	03-361/00:35:35.5		NOTE: ENTER HGA KEEP OUT ZONE		
5216	M1O	03-361/00:35:35.5	25	NOTE: Loss Of X-Band Signal		
5217	M1O	03-361/00:36:59.1		NOTE: Exit Solar Eclipse 9019		03-361/00:28:06.5
5218	M1O	03-361/00:43:13.9		NOTE: Enter Planetary Atmosphere 9019		03-361/00:34:21.3
5219	M1O	03-361/00:44:41.4		NOTE: Enter Earth Occultation 9019		03-361/00:35:48.7
5220	M1O	03-361/00:45:33.1		NOTE: North Pole Crossing 9019		03-361/00:36:40.4
5221	M1O	03-361/00:47:30.3		NOTE: Apoapsis 9019 -		03-361/00:38:37.7
5222	M1O	03-361/00:56:55.6		NOTE: EXIT HGA KEEP OUT ZONE		
5223	M1O	03-361/01:04:29.6		NOTE: Exit Earth Occultation 9019		03-361/00:55:36.9
5224	M1O	03-361/01:04:29.6	25	Acquisition Of X-Band Signal		
5225	M1O	03-361/01:04:29.6	25	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5226	M1O	03-361/01:05:58.0		NOTE: Exit Planetary Atmosphere 9019		03-361/00:57:05.3
5227	M1O	03-361/01:09:29.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-361/01:00:37.0
5228	M1O	03-361/01:09:29.7	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5229	M1O	03-361/01:09:30.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-361/01:00:38.0
5230	M1O	03-361/01:15:31.7		NOTE: Descending Node Crossing 9020		03-361/01:06:39.0
5231	M1O	03-361/01:44:55.3		NOTE: South Pole Crossing 9020		03-361/01:36:02.5
5232	M1O	03-361/01:46:31.0		NOTE: Periapsis 9020 ----------		03-361/01:37:38.2
5233	M1O	03-361/02:13:36.9		NOTE: Enter Solar Eclipse 9020		03-361/02:04:44.0
5234	M1O	03-361/02:14:15.2		NOTE: Ascending Node Crossing 9020		03-361/02:05:22.3
5235	M1O	03-361/02:33:09.9		SPAWN, Engine = 65535, Parameters = 3, 00:34:52.771, 1	dpt	03-361/02:24:17.0
5236	M1O	03-361/02:33:12.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/02:24:19.1
5237	M1O	03-361/02:33:12.0	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5238	M1O	03-361/02:33:13.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-361/02:24:20.1
5239	M1O	03-361/02:34:11.9		NOTE: ENTER HGA KEEP OUT ZONE		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5240	M1O	03-361/02:34:11.9	25	NOTE: Loss Of X-Band Signal		
5241	M1O	03-361/02:35:35.9		NOTE: Exit Solar Eclipse 9020		03-361/02:26:43.0
5242	M1O	03-361/02:41:50.5		NOTE: Enter Planetary Atmosphere 9020		03-361/02:32:57.5
5243	M1O	03-361/02:43:18.1		NOTE: Enter Earth Occultation 9020		03-361/02:34:25.2
5244	M1O	03-361/02:44:09.9		NOTE: North Pole Crossing 9020		03-361/02:35:16.9
5245	M1O	03-361/02:46:44.5		NOTE: Apoapsis 9020 -		03-361/02:37:51.5
5246	M1O	03-361/02:55:32.0		NOTE: EXIT HGA KEEP OUT ZONE		
5247	M1O	03-361/03:03:04.8		NOTE: Exit Earth Occultation 9020		03-361/02:54:11.7
5248	M1O	03-361/03:03:04.8	25	Acquisition Of X-Band Signal		
5249	M1O	03-361/03:03:04.8	25	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5250	M1O	03-361/03:04:33.3		NOTE: Exit Planetary Atmosphere 9020		03-361/02:55:40.2
5251	M1O	03-361/03:08:04.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-361/02:59:11.8
5252	M1O	03-361/03:08:04.9	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5253	M1O	03-361/03:08:05.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-361/02:59:12.8
5254	M1O	03-361/03:14:08.7		NOTE: Descending Node Crossing 9021		03-361/03:05:15.6
5255	M1O	03-361/03:27:09.1		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	03-361/03:18:16.0
5256	M1O	03-361/03:27:09.2		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-361/03:18:16.1
5257	M1O	03-361/03:27:10.2		Forces a desaturation of the reaction wheels.	RW_DESAT	03-361/03:18:17.1
5258	M1O	03-361/03:30:32.1		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-361/03:21:39.0
5259	M1O	03-361/03:30:47.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-359T03:21:39.100, 2003-361T03:21:39.100	PCKTS_RE_TX_TIME	03-361/03:21:54.8
5260	M1O	03-361/03:30:48.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-359T03:21:39.100, 2003-361T03:21:39.100	PCKTS_RE_TX_TIME	03-361/03:21:55.8
5261	M1O	03-361/03:30:49.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-359T03:21:39.100, 2003-361T03:21:39.100	PCKTS_RE_TX_TIME	03-361/03:21:56.8
5262	M1O	03-361/03:30:50.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-359T03:21:39.100, 2003-361T03:21:39.100	PCKTS_RE_TX_TIME	03-361/03:21:57.8
5263	M1O	03-361/03:30:51.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-359T03:21:39.100, 2003-361T03:21:39.100	PCKTS_RE_TX_TIME	03-361/03:21:58.8
5264	M1O	03-361/03:30:52.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-359T03:21:39.100, 2003-361T03:21:39.100	PCKTS_RE_TX_TIME	03-361/03:21:59.8
5265	M1O	03-361/03:30:52.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-361/03:21:59.8
5266	M1O	03-361/03:30:52.9	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5267	M1O	03-361/03:37:53.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/03:29:00.8
5268	M1O	03-361/03:37:53.9	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5269	M1O	03-361/03:37:54.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-361/03:29:01.8
5270	M1O	03-361/03:38:10.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-361/03:29:17.8
5271	M1O	03-361/03:38:10.9	25	D/L RF Warning: SC antenna change - expect signal level variation		
5272	M1O	03-361/03:38:11.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-361/03:29:18.8
5273	M1O	03-361/03:38:40.2		CALL, Engine = , Parameters = FALSE	park_hga	03-361/03:29:47.1
5274	M1O	03-361/03:38:40.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/03:29:47.1
5275	M1O	03-361/03:38:41.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-361/03:29:48.1
5276	M1O	03-361/03:38:42.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-361/03:29:49.1
5277	M1O	03-361/03:38:42.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-361/03:29:49.1
5278	M1O	03-361/03:38:42.2		NOTE: START HGA PARK		
5279	M1O	03-361/03:38:42.2	25	NOTE: Loss Of X-Band Signal		
5280	M1O	03-361/03:38:43.2		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-361/03:29:50.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5281	M1O	03-361/03:38:44.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-361/03:29:51.1
5282	M1O	03-361/03:43:14.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	03-361/03:34:21.1
5283	M1O	03-361/03:43:32.1		NOTE: South Pole Crossing 9021		03-361/03:34:39.0
5284	M1O	03-361/03:45:28.1		NOTE: Periapsis 9021 ----------		03-361/03:36:34.9
5285	M1O	03-361/03:46:44.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-361/03:37:51.1
5286	M1O	03-361/03:46:44.2		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-361/03:37:51.1
5287	M1O	03-361/04:12:10.8		NOTE: Enter Solar Eclipse 9021		03-361/04:03:17.6
5288	M1O	03-361/04:12:51.2		NOTE: Ascending Node Crossing 9021		03-361/04:03:57.9
5289	M1O	03-361/04:16:44.2		GV: GV_DESAT_ACTIVE = 1		03-361/04:07:51.0
5290	M1O	03-361/04:16:45.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	03-361/04:07:52.0
5291	M1O	03-361/04:16:45.2		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-361/04:07:52.0
5292	M1O	03-361/04:26:44.2		GV: GV_DESAT_ACTIVE = 0		03-361/04:17:51.0
5293	M1O	03-361/04:26:45.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	03-361/04:17:52.0
5294	M1O	03-361/04:26:46.2		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-361/04:17:53.0
5295	M1O	03-361/04:26:47.2		CALL, Engine = , Parameters =	unpark_hga	03-361/04:17:54.0
5296	M1O	03-361/04:26:47.2		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-361/04:17:54.0
5297	M1O	03-361/04:26:48.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-361/04:17:55.0
5298	M1O	03-361/04:31:18.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	03-361/04:22:25.0
5299	M1O	03-361/04:31:19.3		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	03-361/04:22:26.0
5300	M1O	03-361/04:32:48.3		NOTE: ENTER HGA KEEP OUT ZONE		
5301	M1O	03-361/04:34:12.9		NOTE: Exit Solar Eclipse 9021		03-361/04:25:19.6
5302	M1O	03-361/04:35:19.3		NOTE: EXIT HGA PARK		
5303	M1O	03-361/04:40:24.7		NOTE: Enter Planetary Atmosphere 9021		03-361/04:31:31.4
5304	M1O	03-361/04:41:52.2		NOTE: Enter Earth Occultation 9021		03-361/04:32:58.9
5305	M1O	03-361/04:42:45.9		NOTE: North Pole Crossing 9021		03-361/04:33:52.6
5306	M1O	03-361/04:45:30.4		NOTE: Apoapsis 9021 -		03-361/04:36:37.1
5307	M1O	03-361/04:54:08.3		NOTE: EXIT HGA KEEP OUT ZONE		
5308	M1O	03-361/05:01:16.4		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-361/04:52:23.1
5309	M1O	03-361/05:01:16.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/04:52:23.2
5310	M1O	03-361/05:01:17.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-361/04:52:24.2
5311	M1O	03-361/05:01:18.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-361/04:52:25.2
5312	M1O	03-361/05:01:19.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-361/04:52:26.2
5313	M1O	03-361/05:01:20.5		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-361/04:52:27.2
5314	M1O	03-361/05:01:30.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-361/04:52:37.2
5315	M1O	03-361/05:01:40.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-361/04:52:47.2
5316	M1O	03-361/05:01:41.5		NOTE: Exit Earth Occultation 9021		03-361/04:52:48.1
5317	M1O	03-361/05:01:41.5	25	Acquisition Of X-Band Signal		
5318	M1O	03-361/05:01:41.5	25	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5319	M1O	03-361/05:03:09.9		NOTE: Exit Planetary Atmosphere 9021		03-361/04:54:16.5
5320	M1O	03-361/05:05:18.4		SPAWN, Engine = 65535, Parameters = 361, 01, TRUE, 00:04:22.924, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-361/04:56:25.0
5321	M1O	03-361/05:05:19.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-361/04:56:26.1
5322	M1O	03-361/05:05:21.5		CALL, Engine = , Parameters = 56	get_cmd_opt	03-361/04:56:28.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5323	M1O	03-361/05:05:21.8		CALL, Engine = , Parameters = 361, 01, 056	bld_autosw	03-361/04:56:28.4
5324	M1O	03-361/05:05:22.9		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-361/04:56:29.5
5325	M1O	03-361/05:05:24.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/04:56:30.6
5326	M1O	03-361/05:05:25.0		Deletes the designated file.: d:/dat/056_doy361_pass01_file01.dat	FILE_DELETE	03-361/04:56:31.6
5327	M1O	03-361/05:05:26.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/04:56:32.7
5328	M1O	03-361/05:05:27.1		Deletes the designated file.: d:/dat/056_doy361_pass01_file02.dat	FILE_DELETE	03-361/04:56:33.7
5329	M1O	03-361/05:05:28.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/04:56:34.8
5330	M1O	03-361/05:05:29.2		Deletes the designated file.: d:/dat/056_doy361_pass01_file03.dat	FILE_DELETE	03-361/04:56:35.8
5331	M1O	03-361/05:05:30.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/04:56:36.9
5332	M1O	03-361/05:05:31.3		Deletes the designated file.: d:/dat/056_doy361_pass01_file04.dat	FILE_DELETE	03-361/04:56:37.9
5333	M1O	03-361/05:05:32.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/04:56:39.0
5334	M1O	03-361/05:05:33.4		Deletes the designated file.: d:/dat/056_doy361_pass01_file05.dat	FILE_DELETE	03-361/04:56:40.0
5335	M1O	03-361/05:05:34.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/04:56:41.1
5336	M1O	03-361/05:05:35.5		Deletes the designated file.: d:/dat/056_doy361_pass01_file06.dat	FILE_DELETE	03-361/04:56:42.1
5337	M1O	03-361/05:05:36.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/04:56:43.2
5338	M1O	03-361/05:05:37.6		Deletes the designated file.: d:/dat/056_doy361_pass01_file07.dat	FILE_DELETE	03-361/04:56:44.2
5339	M1O	03-361/05:05:38.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/04:56:45.3
5340	M1O	03-361/05:05:39.7		Deletes the designated file.: d:/dat/056_doy361_pass01_file08.dat	FILE_DELETE	03-361/04:56:46.3
5341	M1O	03-361/05:05:40.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/04:56:47.4
5342	M1O	03-361/05:05:41.8		Deletes the designated file.: d:/dat/056_doy361_pass01_file09.dat	FILE_DELETE	03-361/04:56:48.4
5343	M1O	03-361/05:05:42.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/04:56:49.5
5344	M1O	03-361/05:05:43.9		Deletes the designated file.: d:/dat/056_doy361_pass01_file10.dat	FILE_DELETE	03-361/04:56:50.5
5345	M1O	03-361/05:05:45.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/04:56:51.6
5346	M1O	03-361/05:05:46.0		Deletes the designated file.: d:/dat/056_doy361_pass01_file11.dat	FILE_DELETE	03-361/04:56:52.6
5347	M1O	03-361/05:05:47.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/04:56:53.7
5348	M1O	03-361/05:05:48.1		Deletes the designated file.: d:/dat/056_doy361_pass01_file12.dat	FILE_DELETE	03-361/04:56:54.7
5349	M1O	03-361/05:05:49.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/04:56:55.8
5350	M1O	03-361/05:05:50.2		Deletes the designated file.: d:/dat/056_doy361_pass01_file13.dat	FILE_DELETE	03-361/04:56:56.8
5351	M1O	03-361/05:05:51.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/04:56:57.9
5352	M1O	03-361/05:05:52.3		Deletes the designated file.: d:/dat/056_doy361_pass01_file14.dat	FILE_DELETE	03-361/04:56:58.9
5353	M1O	03-361/05:05:53.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/04:57:00.0
5354	M1O	03-361/05:05:54.4		Deletes the designated file.: d:/dat/056_doy361_pass01_file15.dat	FILE_DELETE	03-361/04:57:01.0
5355	M1O	03-361/05:05:55.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/04:57:02.1
5356	M1O	03-361/05:05:56.5		Deletes the designated file.: d:/dat/056_doy361_pass01_file16.dat	FILE_DELETE	03-361/04:57:03.1
5357	M1O	03-361/05:05:57.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/04:57:04.2
5358	M1O	03-361/05:05:58.6		Deletes the designated file.: d:/dat/056_doy361_pass01_file17.dat	FILE_DELETE	03-361/04:57:05.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5359	M1O	03-361/05:05:59.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/04:57:06.3
5360	M1O	03-361/05:06:00.7		Deletes the designated file.: d:/dat/056_doy361_pass01_file18.dat	FILE_DELETE	03-361/04:57:07.3
5361	M1O	03-361/05:06:01.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/04:57:08.4
5362	M1O	03-361/05:06:02.8		Deletes the designated file.: d:/dat/056_doy361_pass01_file19.dat	FILE_DELETE	03-361/04:57:09.4
5363	M1O	03-361/05:06:03.8		CALL, Engine = , Parameters = 56	get_apid	03-361/04:57:10.4
5364	M1O	03-361/05:06:04.9		CALL, Engine = , Parameters = 56	get_rcv_mode	03-361/04:57:11.5
5365	M1O	03-361/05:06:05.1		CALL, Engine = , Parameters = 56	get_dl_rate	03-361/04:57:11.7
5366	M1O	03-361/05:06:06.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-361/04:57:12.8
5367	M1O	03-361/05:06:07.4		CALL, Engine = , Parameters = 56	get_coding	03-361/04:57:14.0
5368	M1O	03-361/05:06:08.6		CALL, Engine = , Parameters = 56	get_xmt_mode	03-361/04:57:15.2
5369	M1O	03-361/05:06:09.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-361/04:57:16.4
5370	M1O	03-361/05:06:40.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-361/04:57:47.2
5371	M1O	03-361/05:06:41.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-361/04:57:48.2
5372	M1O	03-361/05:06:41.6	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5373	M1O	03-361/05:06:42.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/04:57:49.2
5374	M1O	03-361/05:06:42.6	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5375	M1O	03-361/05:06:42.6		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-361/04:57:49.2
5376	M1O	03-361/05:07:14.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-361/04:58:21.2
5377	M1O	03-361/05:07:15.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-361/04:58:22.2
5378	M1O	03-361/05:07:16.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-361/04:58:23.2
5379	M1O	03-361/05:07:17.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-361/04:58:24.2
5380	M1O	03-361/05:07:18.6		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-361/04:58:25.2
5381	M1O	03-361/05:07:19.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-361/04:58:26.2
5382	M1O	03-361/05:07:20.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/04:58:27.2
5383	M1O	03-361/05:08:10.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/04:59:17.2
5384	M1O	03-361/05:08:20.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-361/04:59:27.2
5385	M1O	03-361/05:10:21.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/05:01:28.2
5386	M1O	03-361/05:10:22.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/05:01:29.2
5387	M1O	03-361/05:11:41.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/05:02:48.1
5388	M1O	03-361/05:11:42.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-361/05:02:49.2
5389	M1O	03-361/05:11:52.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-361/05:02:59.2
5390	M1O	03-361/05:11:53.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-361/05:03:00.2
5391	M1O	03-361/05:11:54.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-361/05:03:01.2
5392	M1O	03-361/05:11:54.6	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5393	M1O	03-361/05:11:55.6		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-361/05:03:02.2
5394	M1O	03-361/05:12:44.9		NOTE: Descending Node Crossing 9022		03-361/05:03:51.5
5395	M1O	03-361/05:15:00.0	43	Begin Pre-Cal		
5396	M1O	03-361/05:15:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
5397	M1O	03-361/05:15:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
5398	M1O	03-361/05:15:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5399	M1O	03-361/05:15:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
5400	M1O	03-361/05:15:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
5401	M1O	03-361/05:15:00.0	43	Config: RCV: Parms:		
5402	M1O	03-361/05:15:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
5403	M1O	03-361/05:15:00.0	43	Config: TGC: BAND=X, SR=79632.000000		
5404	M1O	03-361/05:15:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
5405	M1O	03-361/05:16:54.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-361/05:08:00.9
5406	M1O	03-361/05:16:54.3	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5407	M1O	03-361/05:42:07.1		NOTE: South Pole Crossing 9022		03-361/05:33:13.6
5408	M1O	03-361/05:43:58.9		NOTE: Periapsis 9022 ----------		03-361/05:35:05.3
5409	M1O	03-361/06:10:42.6		NOTE: Enter Solar Eclipse 9022		03-361/06:01:49.0
5410	M1O	03-361/06:11:24.8		NOTE: Ascending Node Crossing 9022		03-361/06:02:31.2
5411	M1O	03-361/06:30:22.6		SPAWN, Engine = 65535, Parameters = 3, 00:34:52.476, 1	dpt	03-361/06:21:29.0
5412	M1O	03-361/06:30:24.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/06:21:31.1
5413	M1O	03-361/06:30:24.7	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5414	M1O	03-361/06:30:25.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-361/06:21:32.1
5415	M1O	03-361/06:31:24.6		NOTE: ENTER HGA KEEP OUT ZONE		
5416	M1O	03-361/06:31:24.6	25	NOTE: Loss Of X-Band Signal		
5417	M1O	03-361/06:32:48.5		NOTE: Exit Solar Eclipse 9022		03-361/06:23:54.8
5418	M1O	03-361/06:38:54.8		NOTE: Enter Planetary Atmosphere 9022		03-361/06:30:01.1
5419	M1O	03-361/06:40:21.9		NOTE: Enter Earth Occultation 9022		03-361/06:31:28.2
5420	M1O	03-361/06:41:19.4		NOTE: North Pole Crossing 9022		03-361/06:32:25.7
5421	M1O	03-361/06:43:45.9		NOTE: Apoapsis 9022 -		03-361/06:34:52.2
5422	M1O	03-361/06:45:00.0	43	Begin Tracking		
5423	M1O	03-361/06:45:00.1		NOTE: Changing to 70M downlink rate: 110600_BPS		03-361/06:36:06.4
5424	M1O	03-361/06:45:00.1		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	03-361/06:36:06.4
5425	M1O	03-361/06:49:22.7		SPAWN, Engine = 65535, Parameters = 361, 02, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-361/06:40:29.0
5426	M1O	03-361/06:49:23.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-361/06:40:30.1
5427	M1O	03-361/06:49:25.8		CALL, Engine = , Parameters = 56	get_cmd_opt	03-361/06:40:32.1
5428	M1O	03-361/06:49:26.1		CALL, Engine = , Parameters = 361, 02, 056	bld_autosw	03-361/06:40:32.4
5429	M1O	03-361/06:49:27.2		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-361/06:40:33.5
5430	M1O	03-361/06:49:28.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/06:40:34.6
5431	M1O	03-361/06:49:29.3		Deletes the designated file.: d:/dat/056_doy361_pass02_file01.dat	FILE_DELETE	03-361/06:40:35.6
5432	M1O	03-361/06:49:30.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/06:40:36.7
5433	M1O	03-361/06:49:31.4		Deletes the designated file.: d:/dat/056_doy361_pass02_file02.dat	FILE_DELETE	03-361/06:40:37.7
5434	M1O	03-361/06:49:32.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/06:40:38.8
5435	M1O	03-361/06:49:33.5		Deletes the designated file.: d:/dat/056_doy361_pass02_file03.dat	FILE_DELETE	03-361/06:40:39.8
5436	M1O	03-361/06:49:34.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/06:40:40.9
5437	M1O	03-361/06:49:35.6		Deletes the designated file.: d:/dat/056_doy361_pass02_file04.dat	FILE_DELETE	03-361/06:40:41.9
5438	M1O	03-361/06:49:36.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/06:40:43.0
5439	M1O	03-361/06:49:37.7		Deletes the designated file.: d:/dat/056_doy361_pass02_file05.dat	FILE_DELETE	03-361/06:40:44.0
5440	M1O	03-361/06:49:38.8		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-361/06:40:45.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy361_pass02_file06.dat, d:/dat/autoswitch.dat		
5441	M1O	03-361/06:49:39.8		Deletes the designated file.: d:/dat/056_doy361_pass02_file06.dat	FILE_DELETE	03-361/06:40:46.1
5442	M1O	03-361/06:49:40.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/06:40:47.2
5443	M1O	03-361/06:49:41.9		Deletes the designated file.: d:/dat/056_doy361_pass02_file07.dat	FILE_DELETE	03-361/06:40:48.2
5444	M1O	03-361/06:49:43.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/06:40:49.3
5445	M1O	03-361/06:49:44.0		Deletes the designated file.: d:/dat/056_doy361_pass02_file08.dat	FILE_DELETE	03-361/06:40:50.3
5446	M1O	03-361/06:49:45.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/06:40:51.4
5447	M1O	03-361/06:49:46.1		Deletes the designated file.: d:/dat/056_doy361_pass02_file09.dat	FILE_DELETE	03-361/06:40:52.4
5448	M1O	03-361/06:49:47.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/06:40:53.5
5449	M1O	03-361/06:49:48.2		Deletes the designated file.: d:/dat/056_doy361_pass02_file10.dat	FILE_DELETE	03-361/06:40:54.5
5450	M1O	03-361/06:49:49.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/06:40:55.6
5451	M1O	03-361/06:49:50.3		Deletes the designated file.: d:/dat/056_doy361_pass02_file11.dat	FILE_DELETE	03-361/06:40:56.6
5452	M1O	03-361/06:49:51.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/06:40:57.7
5453	M1O	03-361/06:49:52.4		Deletes the designated file.: d:/dat/056_doy361_pass02_file12.dat	FILE_DELETE	03-361/06:40:58.7
5454	M1O	03-361/06:49:53.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/06:40:59.8
5455	M1O	03-361/06:49:54.5		Deletes the designated file.: d:/dat/056_doy361_pass02_file13.dat	FILE_DELETE	03-361/06:41:00.8
5456	M1O	03-361/06:49:55.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/06:41:01.9
5457	M1O	03-361/06:49:56.6		Deletes the designated file.: d:/dat/056_doy361_pass02_file14.dat	FILE_DELETE	03-361/06:41:02.9
5458	M1O	03-361/06:49:57.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/06:41:04.0
5459	M1O	03-361/06:49:58.7		Deletes the designated file.: d:/dat/056_doy361_pass02_file15.dat	FILE_DELETE	03-361/06:41:05.0
5460	M1O	03-361/06:49:59.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/06:41:06.1
5461	M1O	03-361/06:50:00.8		Deletes the designated file.: d:/dat/056_doy361_pass02_file16.dat	FILE_DELETE	03-361/06:41:07.1
5462	M1O	03-361/06:50:01.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/06:41:08.2
5463	M1O	03-361/06:50:02.9		Deletes the designated file.: d:/dat/056_doy361_pass02_file17.dat	FILE_DELETE	03-361/06:41:09.2
5464	M1O	03-361/06:50:04.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/06:41:10.3
5465	M1O	03-361/06:50:05.0		Deletes the designated file.: d:/dat/056_doy361_pass02_file18.dat	FILE_DELETE	03-361/06:41:11.3
5466	M1O	03-361/06:50:06.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/06:41:12.4
5467	M1O	03-361/06:50:07.1		Deletes the designated file.: d:/dat/056_doy361_pass02_file19.dat	FILE_DELETE	03-361/06:41:13.4
5468	M1O	03-361/06:50:08.1		CALL, Engine = , Parameters = 56	get_apid	03-361/06:41:14.4
5469	M1O	03-361/06:50:09.2		CALL, Engine = , Parameters = 56	get_rcv_mode	03-361/06:41:15.5
5470	M1O	03-361/06:50:09.4		CALL, Engine = , Parameters = 56	get_dl_rate	03-361/06:41:15.7
5471	M1O	03-361/06:50:10.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-361/06:41:16.8
5472	M1O	03-361/06:50:11.7		CALL, Engine = , Parameters = 56	get_coding	03-361/06:41:18.0
5473	M1O	03-361/06:50:12.9		CALL, Engine = , Parameters = 56	get_xmt_mode	03-361/06:41:19.2
5474	M1O	03-361/06:50:14.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-361/06:41:20.4
5475	M1O	03-361/06:51:18.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-361/06:42:25.2
5476	M1O	03-361/06:51:19.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-361/06:42:26.2
5477	M1O	03-361/06:51:20.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-361/06:42:27.2
5478	M1O	03-361/06:51:21.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-361/06:42:28.2
5479	M1O	03-361/06:51:22.9		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-361/06:42:29.2
5480	M1O	03-361/06:51:23.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK,	UHF_RCV_MODE	03-361/06:42:30.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT		
5481	M1O	03-361/06:51:24.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/06:42:31.2
5482	M1O	03-361/06:52:14.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/06:43:21.2
5483	M1O	03-361/06:52:24.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-361/06:43:31.2
5484	M1O	03-361/06:52:44.7		NOTE: EXIT HGA KEEP OUT ZONE		
5485	M1O	03-361/06:54:25.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/06:45:32.2
5486	M1O	03-361/06:54:26.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/06:45:33.2
5487	M1O	03-361/06:56:25.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/06:47:32.2
5488	M1O	03-361/06:56:26.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/06:47:33.2
5489	M1O	03-361/06:58:25.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/06:49:32.2
5490	M1O	03-361/06:58:26.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/06:49:33.2
5491	M1O	03-361/07:00:17.2		NOTE: Exit Earth Occultation 9022		03-361/06:51:23.4
5492	M1O	03-361/07:00:17.2	25	Acquisition Of X-Band Signal		
5493	M1O	03-361/07:00:17.2	25	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5494	M1O	03-361/07:00:17.2	43	Acquisition Of X-Band Signal		
5495	M1O	03-361/07:00:17.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5496	M1O	03-361/07:00:25.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/06:51:32.2
5497	M1O	03-361/07:00:26.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/06:51:33.2
5498	M1O	03-361/07:01:45.3		NOTE: Exit Planetary Atmosphere 9022		03-361/06:52:51.5
5499	M1O	03-361/07:02:25.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/06:53:32.2
5500	M1O	03-361/07:02:26.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/06:53:33.2
5501	M1O	03-361/07:04:25.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/06:55:32.2
5502	M1O	03-361/07:04:26.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/06:55:33.2
5503	M1O	03-361/07:05:12.0	25	NOTE: Below Uplink Interlock Limit		
5504	M1O	03-361/07:05:17.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-361/06:56:23.5
5505	M1O	03-361/07:05:17.3	25	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5506	M1O	03-361/07:05:17.3	43	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5507	M1O	03-361/07:05:18.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/06:56:24.5
5508	M1O	03-361/07:05:18.2	25	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5509	M1O	03-361/07:05:18.2	43	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5510	M1O	03-361/07:05:18.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-361/06:56:24.5
5511	M1O	03-361/07:06:25.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/06:57:32.2
5512	M1O	03-361/07:06:26.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/06:57:33.2
5513	M1O	03-361/07:08:25.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK,	UHF_XMIT_MODE	03-361/06:59:32.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT, DISABLE		
5514	M1O	03-361/07:08:26.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/06:59:33.2
5515	M1O	03-361/07:08:53.7		SPAWN, Engine = 65535, Parameters =	scdiag	03-361/07:00:00.0
5516	M1O	03-361/07:08:54.8		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	03-361/07:00:01.1
5517	M1O	03-361/07:08:55.8		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	03-361/07:00:02.1
5518	M1O	03-361/07:09:56.7		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-361/07:01:03.0
5519	M1O	03-361/07:09:56.9		NOTE: Start Block fsw_diag		03-361/07:01:03.2
5520	M1O	03-361/07:09:57.9		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	03-361/07:01:04.2
5521	M1O	03-361/07:09:58.9		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	03-361/07:01:05.2
5522	M1O	03-361/07:10:09.9		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	03-361/07:01:16.2
5523	M1O	03-361/07:10:25.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/07:01:32.2
5524	M1O	03-361/07:10:26.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/07:01:33.2
5525	M1O	03-361/07:10:39.9		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	03-361/07:01:46.2
5526	M1O	03-361/07:10:59.9		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	03-361/07:02:06.2
5527	M1O	03-361/07:11:09.9		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	03-361/07:02:16.2
5528	M1O	03-361/07:11:17.9		NOTE: Descending Node Crossing 9023		03-361/07:02:24.1
5529	M1O	03-361/07:11:29.9		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	03-361/07:02:36.2
5530	M1O	03-361/07:11:39.9		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	03-361/07:02:46.2
5531	M1O	03-361/07:11:44.9		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	03-361/07:02:51.2
5532	M1O	03-361/07:11:49.9		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	03-361/07:02:56.2
5533	M1O	03-361/07:11:54.9		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	03-361/07:03:01.2
5534	M1O	03-361/07:11:59.9		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	03-361/07:03:06.2
5535	M1O	03-361/07:12:04.9		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	03-361/07:03:11.2
5536	M1O	03-361/07:12:25.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/07:03:32.2
5537	M1O	03-361/07:12:26.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/07:03:33.2
5538	M1O	03-361/07:12:44.9		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	03-361/07:03:51.2
5539	M1O	03-361/07:12:49.9		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	03-361/07:03:56.2
5540	M1O	03-361/07:12:54.9		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	03-361/07:04:01.2
5541	M1O	03-361/07:12:59.9		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	03-361/07:04:06.2
5542	M1O	03-361/07:13:04.9		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	03-361/07:04:11.2
5543	M1O	03-361/07:13:05.9		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	03-361/07:04:12.2
5544	M1O	03-361/07:13:06.9		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	03-361/07:04:13.2
5545	M1O	03-361/07:13:07.9		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-361/07:04:14.2
5546	M1O	03-361/07:13:18.9		NOTE: End Block fsw_diag.mod		03-361/07:04:25.2
5547	M1O	03-361/07:14:25.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/07:05:32.2
5548	M1O	03-361/07:14:26.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/07:05:33.2
5549	M1O	03-361/07:15:00.0	25	End Tracking		
5550	M1O	03-361/07:16:26.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/07:07:32.2
5551	M1O	03-361/07:16:27.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	03-361/07:07:33.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				BYPASS_COD, PSK		
5552	M1O	03-361/07:18:26.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/07:09:32.2
5553	M1O	03-361/07:18:27.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/07:09:33.2
5554	M1O	03-361/07:20:26.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/07:11:32.2
5555	M1O	03-361/07:20:27.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/07:11:33.2
5556	M1O	03-361/07:22:26.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/07:13:32.2
5557	M1O	03-361/07:22:27.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/07:13:33.2
5558	M1O	03-361/07:23:23.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/07:14:29.2
5559	M1O	03-361/07:23:24.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-361/07:14:30.3
5560	M1O	03-361/07:23:34.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-361/07:14:40.3
5561	M1O	03-361/07:23:35.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-361/07:14:41.3
5562	M1O	03-361/07:23:36.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-361/07:14:42.3
5563	M1O	03-361/07:23:36.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5564	M1O	03-361/07:23:37.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-361/07:14:43.3
5565	M1O	03-361/07:28:35.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-361/07:19:42.0
5566	M1O	03-361/07:28:35.8	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5567	M1O	03-361/07:30:00.0	25	End Post-Cal		
5568	M1O	03-361/07:40:39.1		NOTE: South Pole Crossing 9023		03-361/07:31:45.2
5569	M1O	03-361/07:42:08.6		NOTE: Periapsis 9023 ----------		03-361/07:33:14.7
5570	M1O	03-361/08:09:14.6		NOTE: Enter Solar Eclipse 9023		03-361/08:00:20.6
5571	M1O	03-361/08:09:56.6		NOTE: Ascending Node Crossing 9023		03-361/08:01:02.6
5572	M1O	03-361/08:28:56.0		SPAWN, Engine = 65535, Parameters = 3, 00:34:50.464, 1	dpt	03-361/08:20:02.0
5573	M1O	03-361/08:28:58.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/08:20:04.1
5574	M1O	03-361/08:28:58.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5575	M1O	03-361/08:28:59.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-361/08:20:05.1
5576	M1O	03-361/08:29:58.0		NOTE: ENTER HGA KEEP OUT ZONE		
5577	M1O	03-361/08:29:58.0	43	NOTE: Loss Of X-Band Signal		
5578	M1O	03-361/08:31:20.9		NOTE: Exit Solar Eclipse 9023		03-361/08:22:26.9
5579	M1O	03-361/08:37:23.9		NOTE: Enter Planetary Atmosphere 9023		03-361/08:28:29.9
5580	M1O	03-361/08:38:50.9		NOTE: Enter Earth Occultation 9023		03-361/08:29:56.8
5581	M1O	03-361/08:39:50.6		NOTE: North Pole Crossing 9023		03-361/08:30:56.5
5582	M1O	03-361/08:42:05.7		NOTE: Apoapsis 9023 -		03-361/08:33:11.6
5583	M1O	03-361/08:51:18.0		NOTE: EXIT HGA KEEP OUT ZONE		
5584	M1O	03-361/08:58:48.5		NOTE: Exit Earth Occultation 9023		03-361/08:49:54.4
5585	M1O	03-361/08:58:48.5	43	Acquisition Of X-Band Signal		
5586	M1O	03-361/08:58:48.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5587	M1O	03-361/09:00:16.4		NOTE: Exit Planetary Atmosphere 9023		03-361/08:51:22.3
5588	M1O	03-361/09:03:48.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-361/08:54:54.5
5589	M1O	03-361/09:03:48.6	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5590	M1O	03-361/09:03:49.6		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	03-361/08:54:55.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
5591	M1O	03-361/09:09:48.2		NOTE: Descending Node Crossing 9024		03-361/09:00:54.0
5592	M1O	03-361/09:39:10.0		NOTE: South Pole Crossing 9024		03-361/09:30:15.8
5593	M1O	03-361/09:40:30.2		NOTE: Periapsis 9024 ----------		03-361/09:31:36.0
5594	M1O	03-361/10:07:47.8		NOTE: Enter Solar Eclipse 9024		03-361/09:58:53.5
5595	M1O	03-361/10:08:28.6		NOTE: Ascending Node Crossing 9024		03-361/09:59:34.3
5596	M1O	03-361/10:20:18.3		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-361/10:11:24.0
5597	M1O	03-361/10:20:34.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-359T10:11:24.100, 2003-361T10:11:24.100	PCKTS_RE_TX_TIME	03-361/10:11:39.8
5598	M1O	03-361/10:20:35.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-359T10:11:24.100, 2003-361T10:11:24.100	PCKTS_RE_TX_TIME	03-361/10:11:40.8
5599	M1O	03-361/10:20:36.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-359T10:11:24.100, 2003-361T10:11:24.100	PCKTS_RE_TX_TIME	03-361/10:11:41.8
5600	M1O	03-361/10:20:37.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-359T10:11:24.100, 2003-361T10:11:24.100	PCKTS_RE_TX_TIME	03-361/10:11:42.8
5601	M1O	03-361/10:20:38.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-359T10:11:24.100, 2003-361T10:11:24.100	PCKTS_RE_TX_TIME	03-361/10:11:43.8
5602	M1O	03-361/10:20:39.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-359T10:11:24.100, 2003-361T10:11:24.100	PCKTS_RE_TX_TIME	03-361/10:11:44.8
5603	M1O	03-361/10:20:39.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-361/10:11:44.8
5604	M1O	03-361/10:20:39.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5605	M1O	03-361/10:27:40.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/10:18:45.8
5606	M1O	03-361/10:27:40.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5607	M1O	03-361/10:27:41.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-361/10:18:46.8
5608	M1O	03-361/10:27:57.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-361/10:19:02.8
5609	M1O	03-361/10:27:57.1	43	D/L RF Warning: SC antenna change - expect signal level variation		
5610	M1O	03-361/10:27:58.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-361/10:19:03.8
5611	M1O	03-361/10:28:28.3		NOTE: ENTER HGA KEEP OUT ZONE		
5612	M1O	03-361/10:28:28.3	43	NOTE: Loss Of X-Band Signal		
5613	M1O	03-361/10:29:49.1		NOTE: Exit Solar Eclipse 9024		03-361/10:20:54.7
5614	M1O	03-361/10:30:00.0	43	End Tracking		
5615	M1O	03-361/10:36:00.9		NOTE: Enter Planetary Atmosphere 9024		03-361/10:27:06.5
5616	M1O	03-361/10:37:28.5		NOTE: Enter Earth Occultation 9024		03-361/10:28:34.1
5617	M1O	03-361/10:38:23.2		NOTE: North Pole Crossing 9024		03-361/10:29:28.8
5618	M1O	03-361/10:40:45.7		NOTE: Apoapsis 9024 -		03-361/10:31:51.3
5619	M1O	03-361/10:45:00.0	43	End Post-Cal		
5620	M1O	03-361/10:49:48.4		NOTE: EXIT HGA KEEP OUT ZONE		
5621	M1O	03-361/10:57:17.1		NOTE: Exit Earth Occultation 9024		03-361/10:48:22.6
5622	M1O	03-361/10:58:45.6		NOTE: Exit Planetary Atmosphere 9024		03-361/10:49:51.2
5623	M1O	03-361/11:08:21.4		NOTE: Descending Node Crossing 9025		03-361/10:59:26.9
5624	M1O	03-361/11:37:43.9		NOTE: South Pole Crossing 9025		03-361/11:28:49.3
5625	M1O	03-361/11:39:09.5		NOTE: Periapsis 9025 ----------		03-361/11:30:14.9
5626	M1O	03-361/12:06:22.4		NOTE: Enter Solar Eclipse 9025		03-361/11:57:27.7
5627	M1O	03-361/12:07:03.1		NOTE: Ascending Node Crossing 9025		03-361/11:58:08.4
5628	M1O	03-361/12:27:01.7		NOTE: ENTER HGA KEEP OUT ZONE		
5629	M1O	03-361/12:28:19.0		NOTE: Exit Solar Eclipse 9025		03-361/12:19:24.2
5630	M1O	03-361/12:34:42.1		NOTE: Enter Planetary Atmosphere 9025		03-361/12:25:47.3
5631	M1O	03-361/12:36:10.4		NOTE: Enter Earth Occultation 9025		03-361/12:27:15.6
5632	M1O	03-361/12:36:58.9		NOTE: North Pole Crossing 9025		03-361/12:28:04.1
5633	M1O	03-361/12:39:18.5		NOTE: Apoapsis 9025 -		03-361/12:30:23.8
5634	M1O	03-361/12:48:21.8		NOTE: EXIT HGA KEEP OUT ZONE		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5635	M1O	03-361/12:55:49.3		NOTE: Exit Earth Occultation 9025		03-361/12:46:54.5
5636	M1O	03-361/12:57:18.5		NOTE: Exit Planetary Atmosphere 9025		03-361/12:48:23.7
5637	M1O	03-361/13:06:58.5		NOTE: Descending Node Crossing 9026		03-361/12:58:03.6
5638	M1O	03-361/13:36:20.9		NOTE: South Pole Crossing 9026		03-361/13:27:25.9
5639	M1O	03-361/13:37:50.0		NOTE: Periapsis 9026 ----------		03-361/13:28:55.1
5640	M1O	03-361/14:04:58.3		NOTE: Enter Solar Eclipse 9026		03-361/13:56:03.2
5641	M1O	03-361/14:05:00.0	63	Begin Pre-Cal		
5642	M1O	03-361/14:05:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
5643	M1O	03-361/14:05:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
5644	M1O	03-361/14:05:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
5645	M1O	03-361/14:05:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
5646	M1O	03-361/14:05:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
5647	M1O	03-361/14:05:00.0	63	Config: RCV: Parms:		
5648	M1O	03-361/14:05:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
5649	M1O	03-361/14:05:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
5650	M1O	03-361/14:05:00.0	63	Config: TXL		
5651	M1O	03-361/14:05:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
5652	M1O	03-361/14:05:00.0	63	Config: CMD		
5653	M1O	03-361/14:05:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
5654	M1O	03-361/14:05:39.6		NOTE: Ascending Node Crossing 9026		03-361/13:56:44.6
5655	M1O	03-361/14:25:38.1		NOTE: ENTER HGA KEEP OUT ZONE		
5656	M1O	03-361/14:26:53.6		NOTE: Exit Solar Eclipse 9026		03-361/14:17:58.5
5657	M1O	03-361/14:33:20.4		NOTE: Enter Planetary Atmosphere 9026		03-361/14:24:25.3
5658	M1O	03-361/14:34:48.8		NOTE: Enter Earth Occultation 9026		03-361/14:25:53.7
5659	M1O	03-361/14:35:35.8		NOTE: North Pole Crossing 9026		03-361/14:26:40.6
5660	M1O	03-361/14:37:45.2		NOTE: Apoapsis 9026 -		03-361/14:28:50.1
5661	M1O	03-361/14:46:58.1		NOTE: EXIT HGA KEEP OUT ZONE		
5662	M1O	03-361/14:54:25.5		NOTE: Exit Earth Occultation 9026		03-361/14:45:30.3
5663	M1O	03-361/14:55:54.9		NOTE: Exit Planetary Atmosphere 9026		03-361/14:46:59.7
5664	M1O	03-361/15:04:35.5		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-361/14:55:40.3
5665	M1O	03-361/15:04:35.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/14:55:40.4
5666	M1O	03-361/15:04:36.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-361/14:55:41.4
5667	M1O	03-361/15:04:37.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-361/14:55:42.4
5668	M1O	03-361/15:04:38.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-361/14:55:43.4
5669	M1O	03-361/15:04:39.6		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-361/14:55:44.4
5670	M1O	03-361/15:04:49.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-361/14:55:54.4
5671	M1O	03-361/15:04:59.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-361/14:56:04.4
5672	M1O	03-361/15:05:00.0	63	Begin Tracking		
5673	M1O	03-361/15:05:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5674	M1O	03-361/15:05:35.7		NOTE: Descending Node Crossing 9027		03-361/14:56:40.5
5675	M1O	03-361/15:06:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5676	M1O	03-361/15:09:59.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-361/15:01:04.4
5677	M1O	03-361/15:10:00.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-361/15:01:05.4
5678	M1O	03-361/15:10:00.6	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5679	M1O	03-361/15:10:01.6		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-361/15:01:06.4
5680	M1O	03-361/15:11:00.0	63	Range Modulation On: SUP=3.0dB		
5681	M1O	03-361/15:12:00.0	63	Begin Ranging Acquisition		
5682	M1O	03-361/15:22:47.8		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-361/15:13:52.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5683	M1O	03-361/15:22:49.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/15:13:54.6
5684	M1O	03-361/15:22:49.9	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5685	M1O	03-361/15:22:50.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-361/15:13:55.6
5686	M1O	03-361/15:23:50.4	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5687	M1O	03-361/15:28:49.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-361/15:19:54.6
5688	M1O	03-361/15:28:49.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5689	M1O	03-361/15:28:50.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-361/15:19:55.6
5690	M1O	03-361/15:34:58.1		NOTE: South Pole Crossing 9027		03-361/15:26:02.8
5691	M1O	03-361/15:36:22.9		NOTE: Periapsis 9027 ----------		03-361/15:27:27.5
5692	M1O	03-361/15:51:24.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
5693	M1O	03-361/16:01:24.0	63	Range Modulation Off		
5694	M1O	03-361/16:03:35.2		NOTE: Enter Solar Eclipse 9027		03-361/15:54:39.7
5695	M1O	03-361/16:04:16.7		NOTE: Ascending Node Crossing 9027		03-361/15:55:21.3
5696	M1O	03-361/16:06:24.0	63	X-Band Transmitter Off		
5697	M1O	03-361/16:23:12.0		SPAWN, Engine = 65535, Parameters = 3, 00:35:21, 1	dpt	03-361/16:14:16.5
5698	M1O	03-361/16:23:14.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/16:14:18.6
5699	M1O	03-361/16:23:14.1	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5700	M1O	03-361/16:23:15.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-361/16:14:19.6
5701	M1O	03-361/16:24:14.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5702	M1O	03-361/16:24:15.4		NOTE: ENTER HGA KEEP OUT ZONE		
5703	M1O	03-361/16:24:15.4	63	NOTE: Loss Of X-Band Signal		
5704	M1O	03-361/16:25:31.6		NOTE: Exit Solar Eclipse 9027		03-361/16:16:36.1
5705	M1O	03-361/16:31:54.0		NOTE: Enter Planetary Atmosphere 9027		03-361/16:22:58.5
5706	M1O	03-361/16:33:22.0		NOTE: Enter Earth Occultation 9027		03-361/16:24:26.5
5707	M1O	03-361/16:34:12.2		NOTE: North Pole Crossing 9027		03-361/16:25:16.7
5708	M1O	03-361/16:35:45.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5709	M1O	03-361/16:36:08.0		NOTE: Apoapsis 9027 -		03-361/16:27:12.5
5710	M1O	03-361/16:40:45.0	63	Range Modulation On: SUP=3.0dB		
5711	M1O	03-361/16:41:45.0	63	Begin Ranging Acquisition		
5712	M1O	03-361/16:45:35.5		NOTE: EXIT HGA KEEP OUT ZONE		
5713	M1O	03-361/16:53:03.5		NOTE: Exit Earth Occultation 9027		03-361/16:44:07.9
5714	M1O	03-361/16:53:03.5	63	Acquisition Of X-Band Signal		
5715	M1O	03-361/16:53:03.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5716	M1O	03-361/16:53:36.0	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5717	M1O	03-361/16:54:32.5		NOTE: Exit Planetary Atmosphere 9027		03-361/16:45:36.9
5718	M1O	03-361/16:58:35.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-361/16:49:39.6
5719	M1O	03-361/16:58:35.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5720	M1O	03-361/16:58:36.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-361/16:49:40.6
5721	M1O	03-361/17:04:11.3		NOTE: Descending Node Crossing 9028		03-361/16:55:15.7
5722	M1O	03-361/17:33:33.6		NOTE: South Pole Crossing 9028		03-361/17:24:37.9
5723	M1O	03-361/17:35:02.0		NOTE: Periapsis 9028 ----------		03-361/17:26:06.3
5724	M1O	03-361/17:49:58.0	63	NOTE: X-Band Transmitter Off in 15 minutes		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5725	M1O	03-361/17:57:37.7		SPAWN, Engine = 65535, Parameters = 361, 03, TRUE, 00:16:01.577, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-361/17:48:42.0
5726	M1O	03-361/17:57:38.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/17:48:42.5
5727	M1O	03-361/17:57:38.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5728	M1O	03-361/17:57:38.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-361/17:48:43.1
5729	M1O	03-361/17:57:40.8		CALL, Engine = , Parameters = 56	get_cmd_opt	03-361/17:48:45.1
5730	M1O	03-361/17:57:41.1		CALL, Engine = , Parameters = 361, 03, 056	bld_autosw	03-361/17:48:45.4
5731	M1O	03-361/17:57:42.2		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-361/17:48:46.5
5732	M1O	03-361/17:57:43.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/17:48:47.6
5733	M1O	03-361/17:57:44.3		Deletes the designated file.: d:/dat/056_doy361_pass03_file01.dat	FILE_DELETE	03-361/17:48:48.6
5734	M1O	03-361/17:57:45.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/17:48:49.7
5735	M1O	03-361/17:57:46.4		Deletes the designated file.: d:/dat/056_doy361_pass03_file02.dat	FILE_DELETE	03-361/17:48:50.7
5736	M1O	03-361/17:57:47.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/17:48:51.8
5737	M1O	03-361/17:57:48.5		Deletes the designated file.: d:/dat/056_doy361_pass03_file03.dat	FILE_DELETE	03-361/17:48:52.8
5738	M1O	03-361/17:57:49.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/17:48:53.9
5739	M1O	03-361/17:57:50.6		Deletes the designated file.: d:/dat/056_doy361_pass03_file04.dat	FILE_DELETE	03-361/17:48:54.9
5740	M1O	03-361/17:57:51.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/17:48:56.0
5741	M1O	03-361/17:57:52.7		Deletes the designated file.: d:/dat/056_doy361_pass03_file05.dat	FILE_DELETE	03-361/17:48:57.0
5742	M1O	03-361/17:57:53.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/17:48:58.1
5743	M1O	03-361/17:57:54.8		Deletes the designated file.: d:/dat/056_doy361_pass03_file06.dat	FILE_DELETE	03-361/17:48:59.1
5744	M1O	03-361/17:57:55.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/17:49:00.2
5745	M1O	03-361/17:57:56.9		Deletes the designated file.: d:/dat/056_doy361_pass03_file07.dat	FILE_DELETE	03-361/17:49:01.2
5746	M1O	03-361/17:57:58.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/17:49:02.3
5747	M1O	03-361/17:57:59.0		Deletes the designated file.: d:/dat/056_doy361_pass03_file08.dat	FILE_DELETE	03-361/17:49:03.3
5748	M1O	03-361/17:58:00.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/17:49:04.4
5749	M1O	03-361/17:58:01.1		Deletes the designated file.: d:/dat/056_doy361_pass03_file09.dat	FILE_DELETE	03-361/17:49:05.4
5750	M1O	03-361/17:58:02.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/17:49:06.5
5751	M1O	03-361/17:58:03.2		Deletes the designated file.: d:/dat/056_doy361_pass03_file10.dat	FILE_DELETE	03-361/17:49:07.5
5752	M1O	03-361/17:58:04.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/17:49:08.6
5753	M1O	03-361/17:58:05.3		Deletes the designated file.: d:/dat/056_doy361_pass03_file11.dat	FILE_DELETE	03-361/17:49:09.6
5754	M1O	03-361/17:58:06.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/17:49:10.7
5755	M1O	03-361/17:58:07.4		Deletes the designated file.: d:/dat/056_doy361_pass03_file12.dat	FILE_DELETE	03-361/17:49:11.7
5756	M1O	03-361/17:58:08.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/17:49:12.8
5757	M1O	03-361/17:58:09.5		Deletes the designated file.: d:/dat/056_doy361_pass03_file13.dat	FILE_DELETE	03-361/17:49:13.8
5758	M1O	03-361/17:58:10.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/17:49:14.9
5759	M1O	03-361/17:58:11.6		Deletes the designated file.: d:/dat/056_doy361_pass03_file14.dat	FILE_DELETE	03-361/17:49:15.9
5760	M1O	03-361/17:58:12.7		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-361/17:49:17.0

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				d:/dat/056_doy361_pass03_file15.dat, d:/dat/autoswitch.dat		
5761	M1O	03-361/17:58:13.7		Deletes the designated file.: d:/dat/056_doy361_pass03_file15.dat	FILE_DELETE	03-361/17:49:18.0
5762	M1O	03-361/17:58:14.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/17:49:19.1
5763	M1O	03-361/17:58:15.8		Deletes the designated file.: d:/dat/056_doy361_pass03_file16.dat	FILE_DELETE	03-361/17:49:20.1
5764	M1O	03-361/17:58:16.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/17:49:21.2
5765	M1O	03-361/17:58:17.9		Deletes the designated file.: d:/dat/056_doy361_pass03_file17.dat	FILE_DELETE	03-361/17:49:22.2
5766	M1O	03-361/17:58:19.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/17:49:23.3
5767	M1O	03-361/17:58:20.0		Deletes the designated file.: d:/dat/056_doy361_pass03_file18.dat	FILE_DELETE	03-361/17:49:24.3
5768	M1O	03-361/17:58:21.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/17:49:25.4
5769	M1O	03-361/17:58:22.1		Deletes the designated file.: d:/dat/056_doy361_pass03_file19.dat	FILE_DELETE	03-361/17:49:26.4
5770	M1O	03-361/17:58:23.1		CALL, Engine = , Parameters = 56	get_apid	03-361/17:49:27.4
5771	M1O	03-361/17:58:24.2		CALL, Engine = , Parameters = 56	get_rcv_mode	03-361/17:49:28.5
5772	M1O	03-361/17:58:24.4		CALL, Engine = , Parameters = 56	get_dl_rate	03-361/17:49:28.7
5773	M1O	03-361/17:58:25.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-361/17:49:29.8
5774	M1O	03-361/17:58:26.7		CALL, Engine = , Parameters = 56	get_coding	03-361/17:49:31.0
5775	M1O	03-361/17:58:27.9		CALL, Engine = , Parameters = 56	get_xmt_mode	03-361/17:49:32.2
5776	M1O	03-361/17:58:29.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-361/17:49:33.4
5777	M1O	03-361/17:59:33.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-361/17:50:38.2
5778	M1O	03-361/17:59:34.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-361/17:50:39.2
5779	M1O	03-361/17:59:35.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-361/17:50:40.2
5780	M1O	03-361/17:59:36.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-361/17:50:41.2
5781	M1O	03-361/17:59:37.9		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-361/17:50:42.2
5782	M1O	03-361/17:59:38.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-361/17:50:43.2
5783	M1O	03-361/17:59:39.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/17:50:44.2
5784	M1O	03-361/17:59:58.0	63	Range Modulation Off		
5785	M1O	03-361/18:00:29.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/17:51:34.2
5786	M1O	03-361/18:00:39.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-361/17:51:44.2
5787	M1O	03-361/18:02:09.9		NOTE: Enter Solar Eclipse 9028		03-361/17:53:14.2
5788	M1O	03-361/18:02:40.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/17:53:45.2
5789	M1O	03-361/18:02:41.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/17:53:46.2
5790	M1O	03-361/18:02:52.2		NOTE: Ascending Node Crossing 9028		03-361/17:53:56.4
5791	M1O	03-361/18:04:40.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/17:55:45.2
5792	M1O	03-361/18:04:41.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/17:55:46.2
5793	M1O	03-361/18:04:58.0	63	X-Band Transmitter Off		
5794	M1O	03-361/18:06:40.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/17:57:45.2
5795	M1O	03-361/18:06:41.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/17:57:46.2
5796	M1O	03-361/18:08:40.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/17:59:45.2
5797	M1O	03-361/18:08:41.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/17:59:46.2

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5798	M1O	03-361/18:10:40.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/18:01:45.2
5799	M1O	03-361/18:10:41.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/18:01:46.2
5800	M1O	03-361/18:12:41.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/18:03:45.2
5801	M1O	03-361/18:12:42.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/18:03:46.2
5802	M1O	03-361/18:14:41.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/18:05:45.2
5803	M1O	03-361/18:14:42.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/18:05:46.2
5804	M1O	03-361/18:15:39.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/18:06:43.7
5805	M1O	03-361/18:15:40.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-361/18:06:44.8
5806	M1O	03-361/18:15:50.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-361/18:06:54.8
5807	M1O	03-361/18:15:51.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-361/18:06:55.8
5808	M1O	03-361/18:15:52.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-361/18:06:56.8
5809	M1O	03-361/18:15:52.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5810	M1O	03-361/18:15:53.6		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-361/18:06:57.8
5811	M1O	03-361/18:20:52.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-361/18:11:56.5
5812	M1O	03-361/18:20:52.4	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5813	M1O	03-361/18:21:47.5		SPAWN, Engine = 65535, Parameters = 3, 00:35:22, 1	dpt	03-361/18:12:51.6
5814	M1O	03-361/18:21:49.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/18:12:53.7
5815	M1O	03-361/18:21:49.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5816	M1O	03-361/18:21:50.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-361/18:12:54.7
5817	M1O	03-361/18:22:49.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5818	M1O	03-361/18:22:50.8		NOTE: ENTER HGA KEEP OUT ZONE		
5819	M1O	03-361/18:22:50.8	63	NOTE: Loss Of X-Band Signal		
5820	M1O	03-361/18:24:09.9		NOTE: Exit Solar Eclipse 9028		03-361/18:15:14.0
5821	M1O	03-361/18:30:23.2		NOTE: Enter Planetary Atmosphere 9028		03-361/18:21:27.3
5822	M1O	03-361/18:31:50.7		NOTE: Enter Earth Occultation 9028		03-361/18:22:54.9
5823	M1O	03-361/18:32:46.5		NOTE: North Pole Crossing 9028		03-361/18:23:50.6
5824	M1O	03-361/18:34:20.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5825	M1O	03-361/18:34:49.8		NOTE: Apoapsis 9028 -		03-361/18:25:53.9
5826	M1O	03-361/18:39:20.0	63	Range Modulation On: SUP=3.0dB		
5827	M1O	03-361/18:40:20.0	63	Begin Ranging Acquisition		
5828	M1O	03-361/18:44:10.8		NOTE: EXIT HGA KEEP OUT ZONE		
5829	M1O	03-361/18:50:00.0	15	Begin Pre-Cal		
5830	M1O	03-361/18:50:00.0	15	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
5831	M1O	03-361/18:50:00.0	15	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
5832	M1O	03-361/18:50:00.0	15	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
5833	M1O	03-361/18:50:00.0	15	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
5834	M1O	03-361/18:50:00.0	15	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
5835	M1O	03-361/18:50:00.0	15	Config: RCV: Parms:		
5836	M1O	03-361/18:50:00.0	15	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
5837	M1O	03-361/18:50:00.0	15	Config: TGC: BAND=X, SR=221200.000000		
5838	M1O	03-361/18:50:00.0	15	Config: TXL		

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5839	M1O	03-361/18:50:00.0	15	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
5840	M1O	03-361/18:50:00.0	15	Config: CMD		
5841	M1O	03-361/18:50:00.0	15	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
5842	M1O	03-361/18:51:39.8		NOTE: Exit Earth Occultation 9028		03-361/18:42:43.8
5843	M1O	03-361/18:51:39.8	63	Acquisition Of X-Band Signal		
5844	M1O	03-361/18:51:39.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5845	M1O	03-361/18:52:11.7	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5846	M1O	03-361/18:53:08.2		NOTE: Exit Planetary Atmosphere 9028		03-361/18:44:12.3
5847	M1O	03-361/18:57:11.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-361/18:48:15.7
5848	M1O	03-361/18:57:11.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5849	M1O	03-361/18:57:12.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-361/18:48:16.7
5850	M1O	03-361/19:02:44.3		NOTE: Descending Node Crossing 9029		03-361/18:53:48.4
5851	M1O	03-361/19:32:06.2		NOTE: South Pole Crossing 9029		03-361/19:23:10.1
5852	M1O	03-361/19:33:36.1		NOTE: Periapsis 9029 ----------		03-361/19:24:40.1
5853	M1O	03-361/19:48:31.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
5854	M1O	03-361/19:53:57.1		SPAWN, Engine = 65535, Parameters = 361, 04, TRUE, 00:17:54.769, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-361/19:45:01.0
5855	M1O	03-361/19:53:57.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/19:45:01.5
5856	M1O	03-361/19:53:57.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5857	M1O	03-361/19:53:58.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-361/19:45:02.1
5858	M1O	03-361/19:54:00.2		CALL, Engine = , Parameters = 56	get_cmd_opt	03-361/19:45:04.1
5859	M1O	03-361/19:54:00.5		CALL, Engine = , Parameters = 361, 04, 056	bld_autosw	03-361/19:45:04.4
5860	M1O	03-361/19:54:01.6		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-361/19:45:05.5
5861	M1O	03-361/19:54:02.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/19:45:06.6
5862	M1O	03-361/19:54:03.7		Deletes the designated file.: d:/dat/056_doy361_pass04_file01.dat	FILE_DELETE	03-361/19:45:07.6
5863	M1O	03-361/19:54:04.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/19:45:08.7
5864	M1O	03-361/19:54:05.8		Deletes the designated file.: d:/dat/056_doy361_pass04_file02.dat	FILE_DELETE	03-361/19:45:09.7
5865	M1O	03-361/19:54:06.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/19:45:10.8
5866	M1O	03-361/19:54:07.9		Deletes the designated file.: d:/dat/056_doy361_pass04_file03.dat	FILE_DELETE	03-361/19:45:11.8
5867	M1O	03-361/19:54:09.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/19:45:12.9
5868	M1O	03-361/19:54:10.0		Deletes the designated file.: d:/dat/056_doy361_pass04_file04.dat	FILE_DELETE	03-361/19:45:13.9
5869	M1O	03-361/19:54:11.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/19:45:15.0
5870	M1O	03-361/19:54:12.1		Deletes the designated file.: d:/dat/056_doy361_pass04_file05.dat	FILE_DELETE	03-361/19:45:16.0
5871	M1O	03-361/19:54:13.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/19:45:17.1
5872	M1O	03-361/19:54:14.2		Deletes the designated file.: d:/dat/056_doy361_pass04_file06.dat	FILE_DELETE	03-361/19:45:18.1
5873	M1O	03-361/19:54:15.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/19:45:19.2
5874	M1O	03-361/19:54:16.3		Deletes the designated file.: d:/dat/056_doy361_pass04_file07.dat	FILE_DELETE	03-361/19:45:20.2
5875	M1O	03-361/19:54:17.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/19:45:21.3
5876	M1O	03-361/19:54:18.4		Deletes the designated file.: d:/dat/056_doy361_pass04_file08.dat	FILE_DELETE	03-361/19:45:22.3

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5877	M1O	03-361/19:54:19.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/19:45:23.4
5878	M1O	03-361/19:54:20.5		Deletes the designated file.: d:/dat/056_doy361_pass04_file09.dat	FILE_DELETE	03-361/19:45:24.4
5879	M1O	03-361/19:54:21.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/19:45:25.5
5880	M1O	03-361/19:54:22.6		Deletes the designated file.: d:/dat/056_doy361_pass04_file10.dat	FILE_DELETE	03-361/19:45:26.5
5881	M1O	03-361/19:54:23.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/19:45:27.6
5882	M1O	03-361/19:54:24.7		Deletes the designated file.: d:/dat/056_doy361_pass04_file11.dat	FILE_DELETE	03-361/19:45:28.6
5883	M1O	03-361/19:54:25.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/19:45:29.7
5884	M1O	03-361/19:54:26.8		Deletes the designated file.: d:/dat/056_doy361_pass04_file12.dat	FILE_DELETE	03-361/19:45:30.7
5885	M1O	03-361/19:54:27.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/19:45:31.8
5886	M1O	03-361/19:54:28.9		Deletes the designated file.: d:/dat/056_doy361_pass04_file13.dat	FILE_DELETE	03-361/19:45:32.8
5887	M1O	03-361/19:54:30.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/19:45:33.9
5888	M1O	03-361/19:54:31.0		Deletes the designated file.: d:/dat/056_doy361_pass04_file14.dat	FILE_DELETE	03-361/19:45:34.9
5889	M1O	03-361/19:54:32.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/19:45:36.0
5890	M1O	03-361/19:54:33.1		Deletes the designated file.: d:/dat/056_doy361_pass04_file15.dat	FILE_DELETE	03-361/19:45:37.0
5891	M1O	03-361/19:54:34.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/19:45:38.1
5892	M1O	03-361/19:54:35.2		Deletes the designated file.: d:/dat/056_doy361_pass04_file16.dat	FILE_DELETE	03-361/19:45:39.1
5893	M1O	03-361/19:54:36.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/19:45:40.2
5894	M1O	03-361/19:54:37.3		Deletes the designated file.: d:/dat/056_doy361_pass04_file17.dat	FILE_DELETE	03-361/19:45:41.2
5895	M1O	03-361/19:54:38.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/19:45:42.3
5896	M1O	03-361/19:54:39.4		Deletes the designated file.: d:/dat/056_doy361_pass04_file18.dat	FILE_DELETE	03-361/19:45:43.3
5897	M1O	03-361/19:54:40.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/19:45:44.4
5898	M1O	03-361/19:54:41.5		Deletes the designated file.: d:/dat/056_doy361_pass04_file19.dat	FILE_DELETE	03-361/19:45:45.4
5899	M1O	03-361/19:54:42.5		CALL, Engine = , Parameters = 56	get_apid	03-361/19:45:46.4
5900	M1O	03-361/19:54:43.6		CALL, Engine = , Parameters = 56	get_rcv_mode	03-361/19:45:47.5
5901	M1O	03-361/19:54:43.8		CALL, Engine = , Parameters = 56	get_dl_rate	03-361/19:45:47.7
5902	M1O	03-361/19:54:44.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-361/19:45:48.8
5903	M1O	03-361/19:54:46.1		CALL, Engine = , Parameters = 56	get_coding	03-361/19:45:50.0
5904	M1O	03-361/19:54:47.3		CALL, Engine = , Parameters = 56	get_xmt_mode	03-361/19:45:51.2
5905	M1O	03-361/19:54:48.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-361/19:45:52.4
5906	M1O	03-361/19:55:53.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-361/19:46:57.2
5907	M1O	03-361/19:55:54.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-361/19:46:58.2
5908	M1O	03-361/19:55:55.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-361/19:46:59.2
5909	M1O	03-361/19:55:56.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-361/19:47:00.2
5910	M1O	03-361/19:55:57.3		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-361/19:47:01.2
5911	M1O	03-361/19:55:58.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-361/19:47:02.2
5912	M1O	03-361/19:55:59.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/19:47:03.2
5913	M1O	03-361/19:56:49.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/19:47:53.2
5914	M1O	03-361/19:56:59.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-361/19:48:03.2
5915	M1O	03-361/19:58:31.0	63	Range Modulation Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5916	M1O	03-361/19:59:00.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/19:50:04.2
5917	M1O	03-361/19:59:01.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/19:50:05.2
5918	M1O	03-361/20:00:41.3		NOTE: Enter Solar Eclipse 9029		03-361/19:51:45.2
5919	M1O	03-361/20:01:00.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/19:52:04.2
5920	M1O	03-361/20:01:01.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/19:52:05.2
5921	M1O	03-361/20:01:24.3		NOTE: Ascending Node Crossing 9029		03-361/19:52:28.2
5922	M1O	03-361/20:03:00.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/19:54:04.2
5923	M1O	03-361/20:03:01.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/19:54:05.2
5924	M1O	03-361/20:03:31.0	63	X-Band Transmitter Off		
5925	M1O	03-361/20:05:00.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/19:56:04.2
5926	M1O	03-361/20:05:01.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/19:56:05.2
5927	M1O	03-361/20:07:00.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/19:58:04.2
5928	M1O	03-361/20:07:01.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/19:58:05.2
5929	M1O	03-361/20:09:00.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/20:00:04.2
5930	M1O	03-361/20:09:01.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/20:00:05.2
5931	M1O	03-361/20:11:00.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/20:02:04.2
5932	M1O	03-361/20:11:01.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/20:02:05.2
5933	M1O	03-361/20:13:00.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/20:04:04.2
5934	M1O	03-361/20:13:01.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/20:04:05.2
5935	M1O	03-361/20:13:52.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/20:04:55.9
5936	M1O	03-361/20:13:53.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-361/20:04:57.0
5937	M1O	03-361/20:14:03.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-361/20:05:07.0
5938	M1O	03-361/20:14:04.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-361/20:05:08.0
5939	M1O	03-361/20:14:05.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-361/20:05:09.0
5940	M1O	03-361/20:14:05.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5941	M1O	03-361/20:14:06.2		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-361/20:05:10.0
5942	M1O	03-361/20:19:04.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-361/20:10:08.7
5943	M1O	03-361/20:19:04.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5944	M1O	03-361/20:20:00.0	15	Begin Tracking		
5945	M1O	03-361/20:20:00.0	15	Acquire D/L: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5946	M1O	03-361/20:20:20.8		SPAWN, Engine = 65535, Parameters = 3, 00:38:21, 1	dpt	03-361/20:11:24.6
5947	M1O	03-361/20:20:22.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/20:11:26.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5948	M1O	03-361/20:20:22.9	15	D/L Change: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5949	M1O	03-361/20:20:22.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5950	M1O	03-361/20:20:23.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-361/20:11:27.7
5951	M1O	03-361/20:21:23.2	15	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5952	M1O	03-361/20:21:23.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5953	M1O	03-361/20:21:24.1		NOTE: ENTER HGA KEEP OUT ZONE		
5954	M1O	03-361/20:21:24.1	15	NOTE: Loss Of X-Band Signal		
5955	M1O	03-361/20:21:24.1	63	NOTE: Loss Of X-Band Signal		
5956	M1O	03-361/20:22:43.2		NOTE: Exit Solar Eclipse 9029		03-361/20:13:47.0
5957	M1O	03-361/20:28:52.9		NOTE: Enter Planetary Atmosphere 9029		03-361/20:19:56.7
5958	M1O	03-361/20:30:20.3		NOTE: Enter Earth Occultation 9029		03-361/20:21:24.1
5959	M1O	03-361/20:31:18.4		NOTE: North Pole Crossing 9029		03-361/20:22:22.2
5960	M1O	03-361/20:31:46.0	15	NOTE: Above Uplink Interlock Limit		
5961	M1O	03-361/20:33:31.2		NOTE: Apoapsis 9029 -		03-361/20:24:35.0
5962	M1O	03-361/20:35:00.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5963	M1O	03-361/20:40:00.0	63	End Tracking		
5964	M1O	03-361/20:40:00.0	15	Range Modulation On: SUP=3.0dB		
5965	M1O	03-361/20:40:00.4		NOTE: Changing to 34M (HEF) downlink rate: 66360_BPS		03-361/20:31:04.2
5966	M1O	03-361/20:40:00.4		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 66360_BPS	DOWNLINK_RATE	03-361/20:31:04.2
5967	M1O	03-361/20:41:00.0	15	Begin Ranging Acquisition		
5968	M1O	03-361/20:42:44.2		NOTE: EXIT HGA KEEP OUT ZONE		
5969	M1O	03-361/20:50:12.1		NOTE: Exit Earth Occultation 9029		03-361/20:41:15.8
5970	M1O	03-361/20:50:12.1	15	Acquisition Of X-Band Signal		
5971	M1O	03-361/20:50:12.1	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5972	M1O	03-361/20:51:40.5		NOTE: Exit Planetary Atmosphere 9029		03-361/20:42:44.2
5973	M1O	03-361/20:52:52.4	15	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5974	M1O	03-361/20:55:00.0	63	End Post-Cal		
5975	M1O	03-361/20:58:44.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-361/20:49:47.7
5976	M1O	03-361/20:58:44.0	15	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5977	M1O	03-361/20:58:45.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-361/20:49:48.7
5978	M1O	03-361/21:01:16.1		NOTE: Descending Node Crossing 9030		03-361/20:52:19.8
5979	M1O	03-361/21:30:37.1		NOTE: South Pole Crossing 9030		03-361/21:21:40.7
5980	M1O	03-361/21:31:52.7		NOTE: Periapsis 9030 ----------		03-361/21:22:56.3
5981	M1O	03-361/21:47:03.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
5982	M1O	03-361/21:57:03.0	15	Range Modulation Off		
5983	M1O	03-361/21:59:12.6		NOTE: Enter Solar Eclipse 9030		03-361/21:50:16.1
5984	M1O	03-361/21:59:54.9		NOTE: Ascending Node Crossing 9030		03-361/21:50:58.4
5985	M1O	03-361/22:02:03.0	15	X-Band Transmitter Off		
5986	M1O	03-361/22:18:53.2		SPAWN, Engine = 65535, Parameters = 3, 00:35:17, 1	dpt	03-361/22:09:56.6
5987	M1O	03-361/22:18:55.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-361/22:09:58.7
5988	M1O	03-361/22:18:55.3	15	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5989	M1O	03-361/22:18:56.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-361/22:09:59.7
5990	M1O	03-361/22:19:56.0	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
5991	M1O	03-361/22:19:56.5		NOTE: ENTER HGA KEEP OUT ZONE		
5992	M1O	03-361/22:19:56.5	15	NOTE: Loss Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5993	M1O	03-361/22:21:09.9		NOTE: Exit Solar Eclipse 9030		03-361/22:12:13.3
5994	M1O	03-361/22:27:29.0		NOTE: Enter Planetary Atmosphere 9030		03-361/22:18:32.4
5995	M1O	03-361/22:28:56.9		NOTE: Enter Earth Occultation 9030		03-361/22:20:00.3
5996	M1O	03-361/22:29:50.1		NOTE: North Pole Crossing 9030		03-361/22:20:53.6
5997	M1O	03-361/22:31:20.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5998	M1O	03-361/22:31:41.8		NOTE: Apoapsis 9030 -		03-361/22:22:45.2
5999	M1O	03-361/22:36:20.0	15	Range Modulation On: SUP=3.0dB		
6000	M1O	03-361/22:37:20.0	15	Begin Ranging Acquisition		
6001	M1O	03-361/22:41:16.6		NOTE: EXIT HGA KEEP OUT ZONE		
6002	M1O	03-361/22:48:41.2		NOTE: Exit Earth Occultation 9030		03-361/22:39:44.6
6003	M1O	03-361/22:48:41.2	15	Acquisition Of X-Band Signal		
6004	M1O	03-361/22:48:41.2	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6005	M1O	03-361/22:49:13.1	15	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6006	M1O	03-361/22:50:10.1		NOTE: Exit Planetary Atmosphere 9030		03-361/22:41:13.5
6007	M1O	03-361/22:54:12.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-361/22:45:15.7
6008	M1O	03-361/22:54:12.4	15	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6009	M1O	03-361/22:54:13.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-361/22:45:16.7
6010	M1O	03-361/22:59:48.8		NOTE: Descending Node Crossing 9031		03-361/22:50:52.1
6011	M1O	03-361/23:29:10.4		NOTE: South Pole Crossing 9031		03-361/23:20:13.6
6012	M1O	03-361/23:30:10.7		NOTE: Periapsis 9031 ----------		03-361/23:21:14.0
6013	M1O	03-361/23:45:34.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
6014	M1O	03-361/23:55:34.0	15	Range Modulation Off		
6015	M1O	03-361/23:57:49.1		NOTE: Enter Solar Eclipse 9031		03-361/23:48:52.2
6016	M1O	03-361/23:58:29.3		NOTE: Ascending Node Crossing 9031		03-361/23:49:32.4
6017	M1O	03-362/00:00:00.0		Light Time: OWLT = 08:56, RTLT = 17:53		
6018	M1O	03-362/00:00:34.0	15	X-Band Transmitter Off		
6019	M1O	03-362/00:17:25.6		SPAWN, Engine = 65535, Parameters = 3, 00:35:16, 1	dpt	03-362/00:08:28.7
6020	M1O	03-362/00:17:27.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/00:08:30.8
6021	M1O	03-362/00:17:27.7	15	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6022	M1O	03-362/00:17:28.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-362/00:08:31.8
6023	M1O	03-362/00:18:27.7	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6024	M1O	03-362/00:18:28.9		NOTE: ENTER HGA KEEP OUT ZONE		
6025	M1O	03-362/00:18:28.9	15	NOTE: Loss Of X-Band Signal		
6026	M1O	03-362/00:19:39.8		NOTE: Exit Solar Eclipse 9031		03-362/00:10:42.9
6027	M1O	03-362/00:26:08.5		NOTE: Enter Planetary Atmosphere 9031		03-362/00:17:11.6
6028	M1O	03-362/00:27:37.0		NOTE: Enter Earth Occultation 9031		03-362/00:18:40.0
6029	M1O	03-362/00:28:25.1		NOTE: North Pole Crossing 9031		03-362/00:19:28.2
6030	M1O	03-362/00:29:50.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6031	M1O	03-362/00:30:09.1		NOTE: Apoapsis 9031 -		03-362/00:21:12.1
6032	M1O	03-362/00:34:50.0	15	Range Modulation On: SUP=3.0dB		
6033	M1O	03-362/00:35:50.0	15	Begin Ranging Acquisition		
6034	M1O	03-362/00:39:48.9		NOTE: EXIT HGA KEEP OUT ZONE		
6035	M1O	03-362/00:47:12.7		NOTE: Exit Earth Occultation 9031		03-362/00:38:15.7
6036	M1O	03-362/00:47:12.7	15	Acquisition Of X-Band Signal		
6037	M1O	03-362/00:47:12.7	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6038	M1O	03-362/00:47:43.9	15	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6039	M1O	03-362/00:48:42.1		NOTE: Exit Planetary Atmosphere 9031		03-362/00:39:45.1
6040	M1O	03-362/00:52:43.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-362/00:43:46.8
6041	M1O	03-362/00:52:43.9	15	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6042	M1O	03-362/00:52:44.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-362/00:43:47.8
6043	M1O	03-362/00:58:24.1		NOTE: Descending Node Crossing 9032		03-362/00:49:27.1
6044	M1O	03-362/01:27:47.1		NOTE: South Pole Crossing 9032		03-362/01:18:50.0
6045	M1O	03-362/01:29:08.5		NOTE: Periapsis 9032 ----------		03-362/01:20:11.4
6046	M1O	03-362/01:30:00.0	43	Begin Pre-Cal		
6047	M1O	03-362/01:30:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
6048	M1O	03-362/01:30:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
6049	M1O	03-362/01:30:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
6050	M1O	03-362/01:30:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
6051	M1O	03-362/01:30:00.0	43	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
6052	M1O	03-362/01:30:00.0	43	Config: RCV: Parms:		
6053	M1O	03-362/01:30:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
6054	M1O	03-362/01:30:00.0	43	Config: TGC: BAND=X, SR=132720.000000		
6055	M1O	03-362/01:30:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
6056	M1O	03-362/01:44:09.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
6057	M1O	03-362/01:54:09.0	15	Range Modulation Off		
6058	M1O	03-362/01:56:26.1		NOTE: Enter Solar Eclipse 9032		03-362/01:47:28.9
6059	M1O	03-362/01:57:06.7		NOTE: Ascending Node Crossing 9032		03-362/01:48:09.5
6060	M1O	03-362/01:59:09.0	15	X-Band Transmitter Off		
6061	M1O	03-362/02:16:01.0		SPAWN, Engine = 65535, Parameters = 3, 00:35:16, 1	dpt	03-362/02:07:03.7
6062	M1O	03-362/02:16:03.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/02:07:05.8
6063	M1O	03-362/02:16:03.1	15	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6064	M1O	03-362/02:16:04.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-362/02:07:06.8
6065	M1O	03-362/02:17:03.4	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6066	M1O	03-362/02:17:04.2		NOTE: ENTER HGA KEEP OUT ZONE		
6067	M1O	03-362/02:17:04.2	15	NOTE: Loss Of X-Band Signal		
6068	M1O	03-362/02:18:15.8		NOTE: Exit Solar Eclipse 9032		03-362/02:09:18.5
6069	M1O	03-362/02:24:46.1		NOTE: Enter Planetary Atmosphere 9032		03-362/02:15:48.8
6070	M1O	03-362/02:26:14.8		NOTE: Enter Earth Occultation 9032		03-362/02:17:17.5
6071	M1O	03-362/02:27:02.0		NOTE: North Pole Crossing 9032		03-362/02:18:04.7
6072	M1O	03-362/02:28:25.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6073	M1O	03-362/02:29:18.3		NOTE: Apoapsis 9032 -		03-362/02:20:21.0
6074	M1O	03-362/02:33:25.0	15	Range Modulation On: SUP=3.0dB		
6075	M1O	03-362/02:34:25.0	15	Begin Ranging Acquisition		
6076	M1O	03-362/02:38:24.3		NOTE: EXIT HGA KEEP OUT ZONE		
6077	M1O	03-362/02:45:47.2		NOTE: Exit Earth Occultation 9032		03-362/02:36:49.9
6078	M1O	03-362/02:45:47.2	15	Acquisition Of X-Band Signal		
6079	M1O	03-362/02:45:47.2	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6080	M1O	03-362/02:46:19.6	15	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6081	M1O	03-362/02:47:13.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
6082	M1O	03-362/02:47:16.9		NOTE: Exit Planetary Atmosphere 9032		03-362/02:38:19.5
6083	M1O	03-362/02:51:19.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-362/02:42:21.8
6084	M1O	03-362/02:51:19.2	15	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6085	M1O	03-362/02:51:20.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-362/02:42:22.8
6086	M1O	03-362/02:57:01.1		NOTE: Descending Node Crossing 9033		03-362/02:48:03.7
6087	M1O	03-362/02:57:13.0	15	Range Modulation Off		
6088	M1O	03-362/02:58:58.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-362/02:50:01.1
6089	M1O	03-362/02:59:00.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/02:50:03.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6090	M1O	03-362/02:59:00.6	15	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6091	M1O	03-362/02:59:01.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-362/02:50:04.2
6092	M1O	03-362/03:00:00.0	43	Begin Tracking		
6093	M1O	03-362/03:00:00.0	43	Acquire D/L: X/08, 3-Way/15, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6094	M1O	03-362/03:00:00.5		NOTE: Changing to 70M downlink rate: 110600_BPS		03-362/02:51:03.1
6095	M1O	03-362/03:00:00.5		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	03-362/02:51:03.1
6096	M1O	03-362/03:00:00.5	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6097	M1O	03-362/03:00:00.5	43	D/L Change: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6098	M1O	03-362/03:02:13.0	15	X-Band Transmitter Off		
6099	M1O	03-362/03:02:14.0	43	NOTE: Above Uplink Interlock Limit		
6100	M1O	03-362/03:05:00.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-362/02:56:03.2
6101	M1O	03-362/03:05:00.6	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6102	M1O	03-362/03:05:00.6	43	D/L Change: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6103	M1O	03-362/03:05:01.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-362/02:56:04.2
6104	M1O	03-362/03:10:01.4		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	03-362/03:01:04.0
6105	M1O	03-362/03:10:01.5		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-362/03:01:04.1
6106	M1O	03-362/03:10:02.5		Forces a desaturation of the reaction wheels.	RW_DESAT	03-362/03:01:05.1
6107	M1O	03-362/03:11:57.4		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-362/03:03:00.0
6108	M1O	03-362/03:12:13.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-360T03:03:00.100, 2003-362T03:03:00.100	PCKTS_RE_TX_TIME	03-362/03:03:15.8
6109	M1O	03-362/03:12:14.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-360T03:03:00.100, 2003-362T03:03:00.100	PCKTS_RE_TX_TIME	03-362/03:03:16.8
6110	M1O	03-362/03:12:15.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-360T03:03:00.100, 2003-362T03:03:00.100	PCKTS_RE_TX_TIME	03-362/03:03:17.8
6111	M1O	03-362/03:12:16.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-360T03:03:00.100, 2003-362T03:03:00.100	PCKTS_RE_TX_TIME	03-362/03:03:18.8
6112	M1O	03-362/03:12:17.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-360T03:03:00.100, 2003-362T03:03:00.100	PCKTS_RE_TX_TIME	03-362/03:03:19.8
6113	M1O	03-362/03:12:18.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-360T03:03:00.100, 2003-362T03:03:00.100	PCKTS_RE_TX_TIME	03-362/03:03:20.8
6114	M1O	03-362/03:12:18.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-362/03:03:20.8
6115	M1O	03-362/03:12:18.2	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6116	M1O	03-362/03:12:18.2	43	D/L Change: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6117	M1O	03-362/03:19:19.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/03:10:21.8
6118	M1O	03-362/03:19:19.2	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6119	M1O	03-362/03:19:19.2	43	D/L Change: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6120	M1O	03-362/03:19:20.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-362/03:10:22.8
6121	M1O	03-362/03:19:36.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-362/03:10:38.8
6122	M1O	03-362/03:19:36.2	15	D/L RF Warning: SC antenna change - expect signal level variation		
6123	M1O	03-362/03:19:36.2	43	D/L RF Warning: SC antenna change - expect signal level variation		
6124	M1O	03-362/03:19:37.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-362/03:10:39.8
6125	M1O	03-362/03:20:07.8	15	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
6126	M1O	03-362/03:20:07.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6127	M1O	03-362/03:21:32.5		CALL, Engine = , Parameters = FALSE	park_hga	03-362/03:12:35.1
6128	M1O	03-362/03:21:32.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/03:12:35.1
6129	M1O	03-362/03:21:33.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-362/03:12:36.1
6130	M1O	03-362/03:21:34.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-362/03:12:37.1
6131	M1O	03-362/03:21:34.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-362/03:12:37.1
6132	M1O	03-362/03:21:34.5		NOTE: START HGA PARK		
6133	M1O	03-362/03:21:34.5	15	NOTE: Loss Of X-Band Signal		
6134	M1O	03-362/03:21:34.5	43	NOTE: Loss Of X-Band Signal		
6135	M1O	03-362/03:21:35.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-362/03:12:38.1
6136	M1O	03-362/03:21:36.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-362/03:12:39.1
6137	M1O	03-362/03:26:06.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	03-362/03:17:09.1
6138	M1O	03-362/03:26:24.5		NOTE: South Pole Crossing 9033		03-362/03:17:27.0
6139	M1O	03-362/03:28:13.5		NOTE: Periapsis 9033 ----------		03-362/03:19:16.0
6140	M1O	03-362/03:29:36.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-362/03:20:39.1
6141	M1O	03-362/03:29:36.6		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-362/03:20:39.1
6142	M1O	03-362/03:55:01.4		NOTE: Enter Solar Eclipse 9033		03-362/03:46:03.8
6143	M1O	03-362/03:55:43.9		NOTE: Ascending Node Crossing 9033		03-362/03:46:46.3
6144	M1O	03-362/03:59:36.5		GV: GV_DESAT_ACTIVE = 1		03-362/03:50:39.0
6145	M1O	03-362/03:59:37.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	03-362/03:50:40.0
6146	M1O	03-362/03:59:37.5		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-362/03:50:40.0
6147	M1O	03-362/04:09:36.6		GV: GV_DESAT_ACTIVE = 0		03-362/04:00:39.0
6148	M1O	03-362/04:09:37.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	03-362/04:00:40.0
6149	M1O	03-362/04:09:38.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-362/04:00:41.0
6150	M1O	03-362/04:09:39.6		CALL, Engine = , Parameters =	unpark_hga	03-362/04:00:42.0
6151	M1O	03-362/04:09:39.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-362/04:00:42.0
6152	M1O	03-362/04:09:40.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-362/04:00:43.0
6153	M1O	03-362/04:14:10.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	03-362/04:05:13.0
6154	M1O	03-362/04:14:11.6		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	03-362/04:05:14.0
6155	M1O	03-362/04:15:40.6		NOTE: ENTER HGA KEEP OUT ZONE		
6156	M1O	03-362/04:16:53.2		NOTE: Exit Solar Eclipse 9033		03-362/04:07:55.6
6157	M1O	03-362/04:18:11.6		NOTE: EXIT HGA PARK		
6158	M1O	03-362/04:23:21.9		NOTE: Enter Planetary Atmosphere 9033		03-362/04:14:24.2
6159	M1O	03-362/04:24:50.6		NOTE: Enter Earth Occultation 9033		03-362/04:15:52.9
6160	M1O	03-362/04:25:38.9		NOTE: North Pole Crossing 9033		03-362/04:16:41.2
6161	M1O	03-362/04:27:01.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6162	M1O	03-362/04:28:21.6		NOTE: Apoapsis 9033 -		03-362/04:19:24.0
6163	M1O	03-362/04:32:01.0	15	Range Modulation On: SUP=3.0dB		
6164	M1O	03-362/04:33:01.0	15	Begin Ranging Acquisition		
6165	M1O	03-362/04:37:00.7		NOTE: EXIT HGA KEEP OUT ZONE		
6166	M1O	03-362/04:43:58.5		SPAWN, Engine = 65535, Parameters = 00:05:31.950	cstr	03-362/04:35:00.8
6167	M1O	03-362/04:43:58.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/04:35:00.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6168	M1O	03-362/04:43:59.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-362/04:35:01.9
6169	M1O	03-362/04:44:00.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-362/04:35:02.9
6170	M1O	03-362/04:44:01.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-362/04:35:03.9
6171	M1O	03-362/04:44:02.6		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-362/04:35:04.9
6172	M1O	03-362/04:44:12.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-362/04:35:14.9
6173	M1O	03-362/04:44:22.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-362/04:35:24.9
6174	M1O	03-362/04:44:23.5		NOTE: Exit Earth Occultation 9033		03-362/04:35:25.8
6175	M1O	03-362/04:44:23.5	15	Acquisition Of X-Band Signal		
6176	M1O	03-362/04:44:23.5	15	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6177	M1O	03-362/04:44:23.5	43	Acquisition Of X-Band Signal		
6178	M1O	03-362/04:44:23.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6179	M1O	03-362/04:44:56.3	15	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6180	M1O	03-362/04:44:56.3	43	Acquire D/L: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6181	M1O	03-362/04:45:53.1		NOTE: Exit Planetary Atmosphere 9033		03-362/04:36:55.4
6182	M1O	03-362/04:49:54.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-362/04:40:56.8
6183	M1O	03-362/04:49:55.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-362/04:40:57.8
6184	M1O	03-362/04:49:55.6	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6185	M1O	03-362/04:49:55.6	43	D/L Change: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6186	M1O	03-362/04:49:56.6		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-362/04:40:58.8
6187	M1O	03-362/04:55:38.2		NOTE: Descending Node Crossing 9034		03-362/04:46:40.5
6188	M1O	03-362/05:25:01.0		NOTE: South Pole Crossing 9034		03-362/05:16:03.1
6189	M1O	03-362/05:27:00.3		NOTE: Periapsis 9034 ----------		03-362/05:18:02.5
6190	M1O	03-362/05:41:21.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
6191	M1O	03-362/05:51:21.0	15	Range Modulation Off		
6192	M1O	03-362/05:53:34.4		NOTE: Enter Solar Eclipse 9034		03-362/05:44:36.4
6193	M1O	03-362/05:54:19.1		NOTE: Ascending Node Crossing 9034		03-362/05:45:21.1
6194	M1O	03-362/05:56:21.0	15	X-Band Transmitter Off		
6195	M1O	03-362/06:13:12.6		SPAWN, Engine = 65535, Parameters = 3, 00:35:17.196, 1	dpt	03-362/06:04:14.6
6196	M1O	03-362/06:13:14.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/06:04:16.7
6197	M1O	03-362/06:13:14.7	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6198	M1O	03-362/06:13:14.7	43	D/L Change: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6199	M1O	03-362/06:13:15.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-362/06:04:17.7
6200	M1O	03-362/06:14:16.8	15	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6201	M1O	03-362/06:14:16.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6202	M1O	03-362/06:14:18.0		NOTE: ENTER HGA KEEP OUT ZONE		
6203	M1O	03-362/06:14:18.0	15	NOTE: Loss Of X-Band Signal		
6204	M1O	03-362/06:14:18.0	43	NOTE: Loss Of X-Band Signal		
6205	M1O	03-362/06:15:30.3		NOTE: Exit Solar Eclipse 9034		03-362/06:06:32.3
6206	M1O	03-362/06:21:53.8		NOTE: Enter Planetary Atmosphere 9034		03-362/06:12:55.8
6207	M1O	03-362/06:23:22.2		NOTE: Enter Earth Occultation 9034		03-362/06:14:24.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6208	M1O	03-362/06:24:13.9		NOTE: North Pole Crossing 9034		03-362/06:15:15.8
6209	M1O	03-362/06:25:36.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6210	M1O	03-362/06:26:54.0		NOTE: Apoapsis 9034 -		03-362/06:17:56.0
6211	M1O	03-362/06:30:36.0	15	Range Modulation On: SUP=3.0dB		
6212	M1O	03-362/06:31:36.0	15	Begin Ranging Acquisition		
6213	M1O	03-362/06:35:00.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
6214	M1O	03-362/06:35:38.0		NOTE: EXIT HGA KEEP OUT ZONE		
6215	M1O	03-362/06:39:35.0		SPAWN, Engine = 65535, Parameters = 362, 01, TRUE, 00:17:58.888, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-362/06:30:37.0
6216	M1O	03-362/06:39:36.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-362/06:30:38.1
6217	M1O	03-362/06:39:38.1		CALL, Engine = , Parameters = 56	get_cmd_opt	03-362/06:30:40.1
6218	M1O	03-362/06:39:38.4		CALL, Engine = , Parameters = 362, 01, 056	bld_autosw	03-362/06:30:40.4
6219	M1O	03-362/06:39:39.5		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-362/06:30:41.5
6220	M1O	03-362/06:39:40.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/06:30:42.6
6221	M1O	03-362/06:39:41.6		Deletes the designated file.: d:/dat/056_doy362_pass01_file01.dat	FILE_DELETE	03-362/06:30:43.6
6222	M1O	03-362/06:39:42.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/06:30:44.7
6223	M1O	03-362/06:39:43.7		Deletes the designated file.: d:/dat/056_doy362_pass01_file02.dat	FILE_DELETE	03-362/06:30:45.7
6224	M1O	03-362/06:39:44.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/06:30:46.8
6225	M1O	03-362/06:39:45.8		Deletes the designated file.: d:/dat/056_doy362_pass01_file03.dat	FILE_DELETE	03-362/06:30:47.8
6226	M1O	03-362/06:39:46.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/06:30:48.9
6227	M1O	03-362/06:39:47.9		Deletes the designated file.: d:/dat/056_doy362_pass01_file04.dat	FILE_DELETE	03-362/06:30:49.9
6228	M1O	03-362/06:39:49.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/06:30:51.0
6229	M1O	03-362/06:39:50.0		Deletes the designated file.: d:/dat/056_doy362_pass01_file05.dat	FILE_DELETE	03-362/06:30:52.0
6230	M1O	03-362/06:39:51.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/06:30:53.1
6231	M1O	03-362/06:39:52.1		Deletes the designated file.: d:/dat/056_doy362_pass01_file06.dat	FILE_DELETE	03-362/06:30:54.1
6232	M1O	03-362/06:39:53.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/06:30:55.2
6233	M1O	03-362/06:39:54.2		Deletes the designated file.: d:/dat/056_doy362_pass01_file07.dat	FILE_DELETE	03-362/06:30:56.2
6234	M1O	03-362/06:39:55.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/06:30:57.3
6235	M1O	03-362/06:39:56.3		Deletes the designated file.: d:/dat/056_doy362_pass01_file08.dat	FILE_DELETE	03-362/06:30:58.3
6236	M1O	03-362/06:39:57.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/06:30:59.4
6237	M1O	03-362/06:39:58.4		Deletes the designated file.: d:/dat/056_doy362_pass01_file09.dat	FILE_DELETE	03-362/06:31:00.4
6238	M1O	03-362/06:39:59.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/06:31:01.5
6239	M1O	03-362/06:40:00.5		Deletes the designated file.: d:/dat/056_doy362_pass01_file10.dat	FILE_DELETE	03-362/06:31:02.5
6240	M1O	03-362/06:40:01.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/06:31:03.6
6241	M1O	03-362/06:40:02.6		Deletes the designated file.: d:/dat/056_doy362_pass01_file11.dat	FILE_DELETE	03-362/06:31:04.6
6242	M1O	03-362/06:40:03.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/06:31:05.7
6243	M1O	03-362/06:40:04.7		Deletes the designated file.: d:/dat/056_doy362_pass01_file12.dat	FILE_DELETE	03-362/06:31:06.7
6244	M1O	03-362/06:40:05.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/06:31:07.8
6245	M1O	03-362/06:40:06.8		Deletes the designated file.: d:/dat/056_doy362_pass01_file13.dat	FILE_DELETE	03-362/06:31:08.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6246	M1O	03-362/06:40:07.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/06:31:09.9
6247	M1O	03-362/06:40:08.9		Deletes the designated file.: d:/dat/056_doy362_pass01_file14.dat	FILE_DELETE	03-362/06:31:10.9
6248	M1O	03-362/06:40:10.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/06:31:12.0
6249	M1O	03-362/06:40:11.0		Deletes the designated file.: d:/dat/056_doy362_pass01_file15.dat	FILE_DELETE	03-362/06:31:13.0
6250	M1O	03-362/06:40:12.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/06:31:14.1
6251	M1O	03-362/06:40:13.1		Deletes the designated file.: d:/dat/056_doy362_pass01_file16.dat	FILE_DELETE	03-362/06:31:15.1
6252	M1O	03-362/06:40:14.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/06:31:16.2
6253	M1O	03-362/06:40:15.2		Deletes the designated file.: d:/dat/056_doy362_pass01_file17.dat	FILE_DELETE	03-362/06:31:17.2
6254	M1O	03-362/06:40:16.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/06:31:18.3
6255	M1O	03-362/06:40:17.3		Deletes the designated file.: d:/dat/056_doy362_pass01_file18.dat	FILE_DELETE	03-362/06:31:19.3
6256	M1O	03-362/06:40:18.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/06:31:20.4
6257	M1O	03-362/06:40:19.4		Deletes the designated file.: d:/dat/056_doy362_pass01_file19.dat	FILE_DELETE	03-362/06:31:21.4
6258	M1O	03-362/06:40:20.4		CALL, Engine = , Parameters = 56	get_apid	03-362/06:31:22.4
6259	M1O	03-362/06:40:21.5		CALL, Engine = , Parameters = 56	get_rcv_mode	03-362/06:31:23.5
6260	M1O	03-362/06:40:21.7		CALL, Engine = , Parameters = 56	get_dl_rate	03-362/06:31:23.7
6261	M1O	03-362/06:40:22.8		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-362/06:31:24.8
6262	M1O	03-362/06:40:24.0		CALL, Engine = , Parameters = 56	get_coding	03-362/06:31:26.0
6263	M1O	03-362/06:40:25.2		CALL, Engine = , Parameters = 56	get_xmt_mode	03-362/06:31:27.2
6264	M1O	03-362/06:40:26.4		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-362/06:31:28.4
6265	M1O	03-362/06:41:31.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-362/06:32:33.2
6266	M1O	03-362/06:41:32.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-362/06:32:34.2
6267	M1O	03-362/06:41:33.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-362/06:32:35.2
6268	M1O	03-362/06:41:34.2		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-362/06:32:36.2
6269	M1O	03-362/06:41:35.2		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-362/06:32:37.2
6270	M1O	03-362/06:41:36.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-362/06:32:38.2
6271	M1O	03-362/06:41:37.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/06:32:39.2
6272	M1O	03-362/06:42:27.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/06:33:29.2
6273	M1O	03-362/06:42:37.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-362/06:33:39.2
6274	M1O	03-362/06:43:00.4		NOTE: Exit Earth Occultation 9034		03-362/06:34:02.3
6275	M1O	03-362/06:43:00.4	15	Acquisition Of X-Band Signal		
6276	M1O	03-362/06:43:00.4	15	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6277	M1O	03-362/06:43:00.4	43	Acquisition Of X-Band Signal		
6278	M1O	03-362/06:43:00.4	43	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6279	M1O	03-362/06:43:32.0	15	Acquire D/L: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6280	M1O	03-362/06:43:32.0	43	Acquire D/L: X/08, 3-Way/15, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6281	M1O	03-362/06:44:29.7		NOTE: Exit Planetary Atmosphere 9034		03-362/06:35:31.6
6282	M1O	03-362/06:44:38.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/06:35:40.2
6283	M1O	03-362/06:44:39.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/06:35:41.2
6284	M1O	03-362/06:45:00.0	15	Range Modulation Off		
6285	M1O	03-362/06:46:38.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/06:37:40.2
6286	M1O	03-362/06:46:39.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	03-362/06:37:41.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				BYPASS_COD, PSK		
6287	M1O	03-362/06:48:32.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-362/06:39:33.9
6288	M1O	03-362/06:48:32.0	15	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6289	M1O	03-362/06:48:32.0	43	D/L Change: X/08, 3-Way/15, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6290	M1O	03-362/06:48:33.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/06:39:34.9
6291	M1O	03-362/06:48:33.0	15	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6292	M1O	03-362/06:48:33.0	43	D/L Change: X/08, 3-Way/15, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6293	M1O	03-362/06:48:33.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-362/06:39:34.9
6294	M1O	03-362/06:48:38.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/06:39:40.2
6295	M1O	03-362/06:48:39.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/06:39:41.2
6296	M1O	03-362/06:50:00.0	15	X-Band Transmitter Off		
6297	M1O	03-362/06:50:38.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/06:41:40.2
6298	M1O	03-362/06:50:39.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/06:41:41.2
6299	M1O	03-362/06:52:38.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/06:43:40.2
6300	M1O	03-362/06:52:39.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/06:43:41.2
6301	M1O	03-362/06:54:13.0		NOTE: Descending Node Crossing 9035		03-362/06:45:14.9
6302	M1O	03-362/06:54:38.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/06:45:40.2
6303	M1O	03-362/06:54:39.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/06:45:41.2
6304	M1O	03-362/06:56:38.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/06:47:40.2
6305	M1O	03-362/06:56:39.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/06:47:41.2
6306	M1O	03-362/06:57:03.6	15	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
6307	M1O	03-362/06:58:38.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/06:49:40.2
6308	M1O	03-362/06:58:39.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/06:49:41.2
6309	M1O	03-362/06:59:34.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/06:50:36.0
6310	M1O	03-362/06:59:35.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-362/06:50:37.1
6311	M1O	03-362/06:59:45.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-362/06:50:47.1
6312	M1O	03-362/06:59:46.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-362/06:50:48.1
6313	M1O	03-362/06:59:47.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-362/06:50:49.1
6314	M1O	03-362/06:59:47.3	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6315	M1O	03-362/06:59:47.3	43	D/L Change: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6316	M1O	03-362/06:59:48.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-362/06:50:50.1
6317	M1O	03-362/07:04:41.0	15	NOTE: Below Uplink Interlock Limit		
6318	M1O	03-362/07:04:47.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-362/06:55:48.8
6319	M1O	03-362/07:04:47.0	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6320	M1O	03-362/07:04:47.0	43	D/L Change: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6321	M1O	03-362/07:06:54.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-362/06:57:55.8
6322	M1O	03-362/07:06:56.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/06:57:57.9
6323	M1O	03-362/07:06:56.1	15	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6324	M1O	03-362/07:06:56.1	43	D/L Change: X/08, 3-Way/15, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6325	M1O	03-362/07:06:57.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-362/06:57:58.9
6326	M1O	03-362/07:07:56.2	15	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6327	M1O	03-362/07:07:56.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6328	M1O	03-362/07:08:58.1		SPAWN, Engine = 65535, Parameters =	scdiag	03-362/07:00:00.0
6329	M1O	03-362/07:08:59.2		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	03-362/07:00:01.1
6330	M1O	03-362/07:09:00.2		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	03-362/07:00:02.1
6331	M1O	03-362/07:10:01.1		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-362/07:01:03.0
6332	M1O	03-362/07:10:01.3		NOTE: Start Block fsw_diag		03-362/07:01:03.2
6333	M1O	03-362/07:10:02.3		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	03-362/07:01:04.2
6334	M1O	03-362/07:10:03.3		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	03-362/07:01:05.2
6335	M1O	03-362/07:10:14.3		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	03-362/07:01:16.2
6336	M1O	03-362/07:10:44.3		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	03-362/07:01:46.2
6337	M1O	03-362/07:11:04.3		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	03-362/07:02:06.2
6338	M1O	03-362/07:11:14.3		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	03-362/07:02:16.2
6339	M1O	03-362/07:11:34.3		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	03-362/07:02:36.2
6340	M1O	03-362/07:11:44.3		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	03-362/07:02:46.2
6341	M1O	03-362/07:11:49.3		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	03-362/07:02:51.2
6342	M1O	03-362/07:11:54.3		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	03-362/07:02:56.2
6343	M1O	03-362/07:11:59.3		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	03-362/07:03:01.2
6344	M1O	03-362/07:12:04.3		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	03-362/07:03:06.2
6345	M1O	03-362/07:12:09.3		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	03-362/07:03:11.2
6346	M1O	03-362/07:12:49.3		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	03-362/07:03:51.2
6347	M1O	03-362/07:12:54.3		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	03-362/07:03:56.2
6348	M1O	03-362/07:12:56.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-362/07:03:57.9
6349	M1O	03-362/07:12:56.1	15	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6350	M1O	03-362/07:12:56.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6351	M1O	03-362/07:12:57.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-362/07:03:58.9
6352	M1O	03-362/07:12:59.3		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	03-362/07:04:01.2
6353	M1O	03-362/07:13:04.3		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	03-362/07:04:06.2
6354	M1O	03-362/07:13:09.3		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	03-362/07:04:11.2
6355	M1O	03-362/07:13:10.3		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	03-362/07:04:12.2
6356	M1O	03-362/07:13:11.3		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	03-362/07:04:13.2
6357	M1O	03-362/07:13:12.3		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-362/07:04:14.2
6358	M1O	03-362/07:13:23.3		NOTE: End Block fsw_diag.mod		03-362/07:04:25.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6359	M1O	03-362/07:15:00.0	15	End Tracking		
6360	M1O	03-362/07:23:34.5		NOTE: South Pole Crossing 9035		03-362/07:14:36.3
6361	M1O	03-362/07:25:17.6		NOTE: Periapsis 9035 ----------		03-362/07:16:19.4
6362	M1O	03-362/07:30:00.0	15	End Post-Cal		
6363	M1O	03-362/07:52:06.3		NOTE: Enter Solar Eclipse 9035		03-362/07:43:08.0
6364	M1O	03-362/07:52:51.8		NOTE: Ascending Node Crossing 9035		03-362/07:43:53.5
6365	M1O	03-362/08:11:51.3		SPAWN, Engine = 65535, Parameters = 3, 00:34:41.086, 1	dpt	03-362/08:02:53.0
6366	M1O	03-362/08:11:53.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/08:02:55.1
6367	M1O	03-362/08:11:53.4	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6368	M1O	03-362/08:11:54.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-362/08:02:56.1
6369	M1O	03-362/08:12:53.3		NOTE: ENTER HGA KEEP OUT ZONE		
6370	M1O	03-362/08:12:53.3	43	NOTE: Loss Of X-Band Signal		
6371	M1O	03-362/08:14:04.9		NOTE: Exit Solar Eclipse 9035		03-362/08:05:06.5
6372	M1O	03-362/08:20:22.7		NOTE: Enter Planetary Atmosphere 9035		03-362/08:11:24.3
6373	M1O	03-362/08:21:50.7		NOTE: Enter Earth Occultation 9035		03-362/08:12:52.3
6374	M1O	03-362/08:22:46.2		NOTE: North Pole Crossing 9035		03-362/08:13:47.8
6375	M1O	03-362/08:25:06.1		NOTE: Apoapsis 9035 -		03-362/08:16:07.7
6376	M1O	03-362/08:34:13.4		NOTE: EXIT HGA KEEP OUT ZONE		
6377	M1O	03-362/08:37:38.4		SPAWN, Engine = 65535, Parameters = 362, 02, TRUE, 00:16:24.436, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-362/08:28:40.0
6378	M1O	03-362/08:37:39.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-362/08:28:41.1
6379	M1O	03-362/08:37:41.5		CALL, Engine = , Parameters = 56	get_cmd_opt	03-362/08:28:43.1
6380	M1O	03-362/08:37:41.8		CALL, Engine = , Parameters = 362, 02, 056	bld_autosw	03-362/08:28:43.4
6381	M1O	03-362/08:37:42.9		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-362/08:28:44.5
6382	M1O	03-362/08:37:44.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/08:28:45.6
6383	M1O	03-362/08:37:45.0		Deletes the designated file.: d:/dat/056_doy362_pass02_file01.dat	FILE_DELETE	03-362/08:28:46.6
6384	M1O	03-362/08:37:46.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/08:28:47.7
6385	M1O	03-362/08:37:47.1		Deletes the designated file.: d:/dat/056_doy362_pass02_file02.dat	FILE_DELETE	03-362/08:28:48.7
6386	M1O	03-362/08:37:48.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/08:28:49.8
6387	M1O	03-362/08:37:49.2		Deletes the designated file.: d:/dat/056_doy362_pass02_file03.dat	FILE_DELETE	03-362/08:28:50.8
6388	M1O	03-362/08:37:50.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/08:28:51.9
6389	M1O	03-362/08:37:51.3		Deletes the designated file.: d:/dat/056_doy362_pass02_file04.dat	FILE_DELETE	03-362/08:28:52.9
6390	M1O	03-362/08:37:52.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/08:28:54.0
6391	M1O	03-362/08:37:53.4		Deletes the designated file.: d:/dat/056_doy362_pass02_file05.dat	FILE_DELETE	03-362/08:28:55.0
6392	M1O	03-362/08:37:54.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/08:28:56.1
6393	M1O	03-362/08:37:55.5		Deletes the designated file.: d:/dat/056_doy362_pass02_file06.dat	FILE_DELETE	03-362/08:28:57.1
6394	M1O	03-362/08:37:56.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/08:28:58.2
6395	M1O	03-362/08:37:57.6		Deletes the designated file.: d:/dat/056_doy362_pass02_file07.dat	FILE_DELETE	03-362/08:28:59.2
6396	M1O	03-362/08:37:58.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/08:29:00.3
6397	M1O	03-362/08:37:59.7		Deletes the designated file.: d:/dat/056_doy362_pass02_file08.dat	FILE_DELETE	03-362/08:29:01.3
6398	M1O	03-362/08:38:00.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/08:29:02.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6399	M1O	03-362/08:38:01.8		Deletes the designated file.: d:/dat/056_doy362_pass02_file09.dat	FILE_DELETE	03-362/08:29:03.4
6400	M1O	03-362/08:38:02.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/08:29:04.5
6401	M1O	03-362/08:38:03.9		Deletes the designated file.: d:/dat/056_doy362_pass02_file10.dat	FILE_DELETE	03-362/08:29:05.5
6402	M1O	03-362/08:38:05.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/08:29:06.6
6403	M1O	03-362/08:38:06.0		Deletes the designated file.: d:/dat/056_doy362_pass02_file11.dat	FILE_DELETE	03-362/08:29:07.6
6404	M1O	03-362/08:38:07.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/08:29:08.7
6405	M1O	03-362/08:38:08.1		Deletes the designated file.: d:/dat/056_doy362_pass02_file12.dat	FILE_DELETE	03-362/08:29:09.7
6406	M1O	03-362/08:38:09.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/08:29:10.8
6407	M1O	03-362/08:38:10.2		Deletes the designated file.: d:/dat/056_doy362_pass02_file13.dat	FILE_DELETE	03-362/08:29:11.8
6408	M1O	03-362/08:38:11.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/08:29:12.9
6409	M1O	03-362/08:38:12.3		Deletes the designated file.: d:/dat/056_doy362_pass02_file14.dat	FILE_DELETE	03-362/08:29:13.9
6410	M1O	03-362/08:38:13.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/08:29:15.0
6411	M1O	03-362/08:38:14.4		Deletes the designated file.: d:/dat/056_doy362_pass02_file15.dat	FILE_DELETE	03-362/08:29:16.0
6412	M1O	03-362/08:38:15.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/08:29:17.1
6413	M1O	03-362/08:38:16.5		Deletes the designated file.: d:/dat/056_doy362_pass02_file16.dat	FILE_DELETE	03-362/08:29:18.1
6414	M1O	03-362/08:38:17.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/08:29:19.2
6415	M1O	03-362/08:38:18.6		Deletes the designated file.: d:/dat/056_doy362_pass02_file17.dat	FILE_DELETE	03-362/08:29:20.2
6416	M1O	03-362/08:38:19.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/08:29:21.3
6417	M1O	03-362/08:38:20.7		Deletes the designated file.: d:/dat/056_doy362_pass02_file18.dat	FILE_DELETE	03-362/08:29:22.3
6418	M1O	03-362/08:38:21.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/08:29:23.4
6419	M1O	03-362/08:38:22.8		Deletes the designated file.: d:/dat/056_doy362_pass02_file19.dat	FILE_DELETE	03-362/08:29:24.4
6420	M1O	03-362/08:38:23.8		CALL, Engine = , Parameters = 56	get_apid	03-362/08:29:25.4
6421	M1O	03-362/08:38:24.9		CALL, Engine = , Parameters = 56	get_rcv_mode	03-362/08:29:26.5
6422	M1O	03-362/08:38:25.1		CALL, Engine = , Parameters = 56	get_dl_rate	03-362/08:29:26.7
6423	M1O	03-362/08:38:26.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-362/08:29:27.8
6424	M1O	03-362/08:38:27.4		CALL, Engine = , Parameters = 56	get_coding	03-362/08:29:29.0
6425	M1O	03-362/08:38:28.6		CALL, Engine = , Parameters = 56	get_xmt_mode	03-362/08:29:30.2
6426	M1O	03-362/08:38:29.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-362/08:29:31.4
6427	M1O	03-362/08:39:34.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-362/08:30:36.2
6428	M1O	03-362/08:39:35.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-362/08:30:37.2
6429	M1O	03-362/08:39:36.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-362/08:30:38.2
6430	M1O	03-362/08:39:37.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-362/08:30:39.2
6431	M1O	03-362/08:39:38.6		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-362/08:30:40.2
6432	M1O	03-362/08:39:39.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-362/08:30:41.2
6433	M1O	03-362/08:39:40.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/08:30:42.2
6434	M1O	03-362/08:40:30.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/08:31:32.2
6435	M1O	03-362/08:40:40.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-362/08:31:42.2
6436	M1O	03-362/08:41:34.5		NOTE: Exit Earth Occultation 9035		03-362/08:32:36.0
6437	M1O	03-362/08:41:34.5	43	Acquisition Of X-Band Signal		
6438	M1O	03-362/08:41:34.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6439	M1O	03-362/08:42:41.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/08:33:43.2
6440	M1O	03-362/08:42:42.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/08:33:44.2
6441	M1O	03-362/08:43:03.5		NOTE: Exit Planetary Atmosphere 9035		03-362/08:34:05.0
6442	M1O	03-362/08:44:41.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/08:35:43.2
6443	M1O	03-362/08:44:42.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/08:35:44.2
6444	M1O	03-362/08:46:34.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-362/08:37:36.1
6445	M1O	03-362/08:46:34.6	43	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6446	M1O	03-362/08:46:35.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/08:37:37.1
6447	M1O	03-362/08:46:35.5	43	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6448	M1O	03-362/08:46:35.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-362/08:37:37.1
6449	M1O	03-362/08:46:41.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/08:37:43.2
6450	M1O	03-362/08:46:42.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/08:37:44.2
6451	M1O	03-362/08:48:41.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/08:39:43.2
6452	M1O	03-362/08:48:42.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/08:39:44.2
6453	M1O	03-362/08:50:41.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/08:41:43.2
6454	M1O	03-362/08:50:42.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/08:41:44.2
6455	M1O	03-362/08:52:41.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/08:43:43.2
6456	M1O	03-362/08:52:42.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/08:43:44.2
6457	M1O	03-362/08:52:44.5		NOTE: Descending Node Crossing 9036		03-362/08:43:46.0
6458	M1O	03-362/08:54:41.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/08:45:43.2
6459	M1O	03-362/08:54:42.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/08:45:44.2
6460	M1O	03-362/08:56:03.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/08:47:04.6
6461	M1O	03-362/08:56:04.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-362/08:47:05.7
6462	M1O	03-362/08:56:14.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-362/08:47:15.7
6463	M1O	03-362/08:56:15.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-362/08:47:16.7
6464	M1O	03-362/08:56:16.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-362/08:47:17.7
6465	M1O	03-362/08:56:16.2	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6466	M1O	03-362/08:56:17.2		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-362/08:47:18.7
6467	M1O	03-362/09:01:15.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-362/08:52:17.4
6468	M1O	03-362/09:01:15.9	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6469	M1O	03-362/09:22:05.9		NOTE: South Pole Crossing 9036		03-362/09:13:07.3
6470	M1O	03-362/09:23:31.9		NOTE: Periapsis 9036 ----------		03-362/09:14:33.3
6471	M1O	03-362/09:50:38.9		NOTE: Enter Solar Eclipse 9036		03-362/09:41:40.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6472	M1O	03-362/09:51:23.7		NOTE: Ascending Node Crossing 9036		03-362/09:42:25.0
6473	M1O	03-362/10:03:14.7		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-362/09:54:16.0
6474	M1O	03-362/10:03:30.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-360T09:54:16.100, 2003-362T09:54:16.100	PCKTS_RE_TX_TIME	03-362/09:54:31.8
6475	M1O	03-362/10:03:31.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-360T09:54:16.100, 2003-362T09:54:16.100	PCKTS_RE_TX_TIME	03-362/09:54:32.8
6476	M1O	03-362/10:03:32.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-360T09:54:16.100, 2003-362T09:54:16.100	PCKTS_RE_TX_TIME	03-362/09:54:33.8
6477	M1O	03-362/10:03:33.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-360T09:54:16.100, 2003-362T09:54:16.100	PCKTS_RE_TX_TIME	03-362/09:54:34.8
6478	M1O	03-362/10:03:34.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-360T09:54:16.100, 2003-362T09:54:16.100	PCKTS_RE_TX_TIME	03-362/09:54:35.8
6479	M1O	03-362/10:03:35.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-360T09:54:16.100, 2003-362T09:54:16.100	PCKTS_RE_TX_TIME	03-362/09:54:36.8
6480	M1O	03-362/10:03:35.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-362/09:54:36.8
6481	M1O	03-362/10:03:35.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6482	M1O	03-362/10:10:36.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/10:01:37.8
6483	M1O	03-362/10:10:36.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6484	M1O	03-362/10:10:37.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-362/10:01:38.8
6485	M1O	03-362/10:10:53.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-362/10:01:54.8
6486	M1O	03-362/10:10:53.5	43	D/L RF Warning: SC antenna change - expect signal level variation		
6487	M1O	03-362/10:10:54.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-362/10:01:55.8
6488	M1O	03-362/10:11:24.7		NOTE: ENTER HGA KEEP OUT ZONE		
6489	M1O	03-362/10:11:24.7	43	NOTE: Loss Of X-Band Signal		
6490	M1O	03-362/10:12:35.3		NOTE: Exit Solar Eclipse 9036		03-362/10:03:36.6
6491	M1O	03-362/10:18:55.1		NOTE: Enter Planetary Atmosphere 9036		03-362/10:09:56.4
6492	M1O	03-362/10:20:23.4		NOTE: Enter Earth Occultation 9036		03-362/10:11:24.6
6493	M1O	03-362/10:21:17.8		NOTE: North Pole Crossing 9036		03-362/10:12:19.0
6494	M1O	03-362/10:23:46.3		NOTE: Apoapsis 9036 -		03-362/10:14:47.6
6495	M1O	03-362/10:30:00.0	43	End Tracking		
6496	M1O	03-362/10:32:44.7		NOTE: EXIT HGA KEEP OUT ZONE		
6497	M1O	03-362/10:40:03.9		NOTE: Exit Earth Occultation 9036		03-362/10:31:05.1
6498	M1O	03-362/10:41:33.1		NOTE: Exit Planetary Atmosphere 9036		03-362/10:32:34.3
6499	M1O	03-362/10:45:00.0	43	End Post-Cal		
6500	M1O	03-362/10:51:15.8		NOTE: Descending Node Crossing 9037		03-362/10:42:17.0
6501	M1O	03-362/11:20:38.0		NOTE: South Pole Crossing 9037		03-362/11:11:39.1
6502	M1O	03-362/11:22:06.1		NOTE: Periapsis 9037 ----------		03-362/11:13:07.1
6503	M1O	03-362/11:49:12.8		NOTE: Enter Solar Eclipse 9037		03-362/11:40:13.8
6504	M1O	03-362/11:49:56.9		NOTE: Ascending Node Crossing 9037		03-362/11:40:57.8
6505	M1O	03-362/12:09:56.0		NOTE: ENTER HGA KEEP OUT ZONE		
6506	M1O	03-362/12:11:03.4		NOTE: Exit Solar Eclipse 9037		03-362/12:02:04.3
6507	M1O	03-362/12:17:35.9		NOTE: Enter Planetary Atmosphere 9037		03-362/12:08:36.8
6508	M1O	03-362/12:19:05.1		NOTE: Enter Earth Occultation 9037		03-362/12:10:05.9
6509	M1O	03-362/12:19:52.3		NOTE: North Pole Crossing 9037		03-362/12:10:53.2
6510	M1O	03-362/12:22:22.7		NOTE: Apoapsis 9037 -		03-362/12:13:23.6
6511	M1O	03-362/12:30:56.1		NOTE: EXIT HGA KEEP OUT ZONE		
6512	M1O	03-362/12:38:33.7		NOTE: Exit Earth Occultation 9037		03-362/12:29:34.6
6513	M1O	03-362/12:40:03.8		NOTE: Exit Planetary Atmosphere 9037		03-362/12:31:04.6
6514	M1O	03-362/12:49:51.8		NOTE: Descending Node Crossing 9038		03-362/12:40:52.5
6515	M1O	03-362/13:19:14.1		NOTE: South Pole Crossing 9038		03-362/13:10:14.8
6516	M1O	03-362/13:20:48.4		NOTE: Periapsis 9038 ----------		03-362/13:11:49.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6517	M1O	03-362/13:47:48.0		NOTE: Enter Solar Eclipse 9038		03-362/13:38:48.6
6518	M1O	03-362/13:48:32.6		NOTE: Ascending Node Crossing 9038		03-362/13:39:33.2
6519	M1O	03-362/14:08:31.4		NOTE: ENTER HGA KEEP OUT ZONE		
6520	M1O	03-362/14:09:35.7		NOTE: Exit Solar Eclipse 9038		03-362/14:00:36.3
6521	M1O	03-362/14:16:16.2		NOTE: Enter Planetary Atmosphere 9038		03-362/14:07:16.7
6522	M1O	03-362/14:17:45.7		NOTE: Enter Earth Occultation 9038		03-362/14:08:46.3
6523	M1O	03-362/14:18:28.9		NOTE: North Pole Crossing 9038		03-362/14:09:29.4
6524	M1O	03-362/14:20:51.2		NOTE: Apoapsis 9038 -		03-362/14:11:51.7
6525	M1O	03-362/14:29:31.5		NOTE: EXIT HGA KEEP OUT ZONE		
6526	M1O	03-362/14:30:00.0	54	Begin Pre-Cal		
6527	M1O	03-362/14:30:00.0	54	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
6528	M1O	03-362/14:30:00.0	54	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
6529	M1O	03-362/14:30:00.0	54	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
6530	M1O	03-362/14:30:00.0	54	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
6531	M1O	03-362/14:30:00.0	54	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
6532	M1O	03-362/14:30:00.0	54	Config: RCV: Parms:		
6533	M1O	03-362/14:30:00.0	54	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
6534	M1O	03-362/14:30:00.0	54	Config: TGC: BAND=X, SR=221200.000000		
6535	M1O	03-362/14:30:00.0	54	Config: TXL		
6536	M1O	03-362/14:30:00.0	54	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
6537	M1O	03-362/14:30:00.0	54	Config: CMD		
6538	M1O	03-362/14:30:00.0	54	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
6539	M1O	03-362/14:37:08.1		NOTE: Exit Earth Occultation 9038		03-362/14:28:08.6
6540	M1O	03-362/14:38:38.7		NOTE: Exit Planetary Atmosphere 9038		03-362/14:29:39.1
6541	M1O	03-362/14:48:29.3		NOTE: Descending Node Crossing 9039		03-362/14:39:29.7
6542	M1O	03-362/15:17:51.4		NOTE: South Pole Crossing 9039		03-362/15:08:51.8
6543	M1O	03-362/15:19:23.9		NOTE: Periapsis 9039 ----------		03-362/15:10:24.3
6544	M1O	03-362/15:29:35.6		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-362/15:20:35.9
6545	M1O	03-362/15:29:35.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/15:20:36.0
6546	M1O	03-362/15:29:36.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-362/15:20:37.0
6547	M1O	03-362/15:29:37.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-362/15:20:38.0
6548	M1O	03-362/15:29:38.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-362/15:20:39.0
6549	M1O	03-362/15:29:39.7		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-362/15:20:40.0
6550	M1O	03-362/15:29:49.7		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-362/15:20:50.0
6551	M1O	03-362/15:29:59.7		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-362/15:21:00.0
6552	M1O	03-362/15:30:00.0	54	Begin Tracking		
6553	M1O	03-362/15:30:00.0	54	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6554	M1O	03-362/15:30:00.6		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		03-362/15:21:00.9
6555	M1O	03-362/15:30:00.6		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	03-362/15:21:00.9
6556	M1O	03-362/15:30:00.6	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6557	M1O	03-362/15:31:00.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6558	M1O	03-362/15:34:09.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
6559	M1O	03-362/15:34:59.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-362/15:26:00.0
6560	M1O	03-362/15:35:00.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-362/15:26:01.0
6561	M1O	03-362/15:35:00.7	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6562	M1O	03-362/15:35:01.7		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-362/15:26:02.0
6563	M1O	03-362/15:36:00.0	54	Range Modulation On: SUP=3.0dB		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6564	M1O	03-362/15:37:00.0	54	Begin Ranging Acquisition		
6565	M1O	03-362/15:44:09.0	54	Range Modulation Off		
6566	M1O	03-362/15:46:24.6		NOTE: Enter Solar Eclipse 9039		03-362/15:37:24.8
6567	M1O	03-362/15:47:09.6		NOTE: Ascending Node Crossing 9039		03-362/15:38:09.9
6568	M1O	03-362/15:47:56.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-362/15:38:56.9
6569	M1O	03-362/15:47:58.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/15:38:59.0
6570	M1O	03-362/15:47:58.8	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6571	M1O	03-362/15:47:59.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-362/15:39:00.0
6572	M1O	03-362/15:48:59.4	54	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6573	M1O	03-362/15:49:09.0	54	X-Band Transmitter Off		
6574	M1O	03-362/15:53:58.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-362/15:44:59.0
6575	M1O	03-362/15:53:58.8	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6576	M1O	03-362/15:53:59.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-362/15:45:00.0
6577	M1O	03-362/16:06:05.7		SPAWN, Engine = 65535, Parameters = 3, 00:35:09, 1	dpt	03-362/15:57:05.9
6578	M1O	03-362/16:06:07.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/15:57:08.0
6579	M1O	03-362/16:06:07.8	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6580	M1O	03-362/16:06:08.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-362/15:57:09.0
6581	M1O	03-362/16:07:08.5	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6582	M1O	03-362/16:07:08.8		NOTE: ENTER HGA KEEP OUT ZONE		
6583	M1O	03-362/16:07:08.8	54	NOTE: Loss Of X-Band Signal		
6584	M1O	03-362/16:08:12.4		NOTE: Exit Solar Eclipse 9039		03-362/15:59:12.6
6585	M1O	03-362/16:14:51.9		NOTE: Enter Planetary Atmosphere 9039		03-362/16:05:52.1
6586	M1O	03-362/16:16:21.3		NOTE: Enter Earth Occultation 9039		03-362/16:07:21.4
6587	M1O	03-362/16:17:05.7		NOTE: North Pole Crossing 9039		03-362/16:08:05.8
6588	M1O	03-362/16:18:18.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6589	M1O	03-362/16:19:13.1		NOTE: Apoapsis 9039 -		03-362/16:10:13.2
6590	M1O	03-362/16:23:18.0	54	Range Modulation On: SUP=3.0dB		
6591	M1O	03-362/16:24:18.0	54	Begin Ranging Acquisition		
6592	M1O	03-362/16:28:08.8		NOTE: EXIT HGA KEEP OUT ZONE		
6593	M1O	03-362/16:35:45.7		NOTE: Exit Earth Occultation 9039		03-362/16:26:45.8
6594	M1O	03-362/16:35:45.7	54	Acquisition Of X-Band Signal		
6595	M1O	03-362/16:35:45.7	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6596	M1O	03-362/16:36:17.6	54	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6597	M1O	03-362/16:37:16.1		NOTE: Exit Planetary Atmosphere 9039		03-362/16:28:16.2
6598	M1O	03-362/16:41:16.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-362/16:32:17.0
6599	M1O	03-362/16:41:16.9	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6600	M1O	03-362/16:41:17.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-362/16:32:18.0
6601	M1O	03-362/16:47:05.6		NOTE: Descending Node Crossing 9040		03-362/16:38:05.7
6602	M1O	03-362/17:16:27.9		NOTE: South Pole Crossing 9040		03-362/17:07:27.9
6603	M1O	03-362/17:17:57.7		NOTE: Periapsis 9040 ----------		03-362/17:08:57.7
6604	M1O	03-362/17:32:45.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
6605	M1O	03-362/17:42:45.0	54	Range Modulation Off		
6606	M1O	03-362/17:45:01.0		NOTE: Enter Solar Eclipse 9040		03-362/17:36:00.9
6607	M1O	03-362/17:45:46.2		NOTE: Ascending Node Crossing 9040		03-362/17:36:46.1
6608	M1O	03-362/17:47:45.0	54	X-Band Transmitter Off		
6609	M1O	03-362/18:04:41.0		SPAWN, Engine = 65535, Parameters = 3, 00:35:12.198, 1	dpt	03-362/17:55:40.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6610	M1O	03-362/18:04:43.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/17:55:42.9
6611	M1O	03-362/18:04:43.1	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6612	M1O	03-362/18:04:44.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-362/17:55:43.9
6613	M1O	03-362/18:05:45.1		NOTE: ENTER HGA KEEP OUT ZONE		
6614	M1O	03-362/18:05:45.1	54	NOTE: Loss Of X-Band Signal		
6615	M1O	03-362/18:06:51.5		NOTE: Exit Solar Eclipse 9040		03-362/17:57:51.3
6616	M1O	03-362/18:13:22.5		NOTE: Enter Planetary Atmosphere 9040		03-362/18:04:22.3
6617	M1O	03-362/18:14:51.3		NOTE: Enter Earth Occultation 9040		03-362/18:05:51.1
6618	M1O	03-362/18:15:41.2		NOTE: North Pole Crossing 9040		03-362/18:06:41.0
6619	M1O	03-362/18:16:55.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6620	M1O	03-362/18:17:41.7		NOTE: Apoapsis 9040 -		03-362/18:08:41.5
6621	M1O	03-362/18:21:55.0	54	Range Modulation On: SUP=3.0dB		
6622	M1O	03-362/18:22:55.0	54	Begin Ranging Acquisition		
6623	M1O	03-362/18:26:45.2		NOTE: EXIT HGA KEEP OUT ZONE		
6624	M1O	03-362/18:34:23.6		NOTE: Exit Earth Occultation 9040		03-362/18:25:23.3
6625	M1O	03-362/18:34:23.6	54	Acquisition Of X-Band Signal		
6626	M1O	03-362/18:34:23.6	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6627	M1O	03-362/18:34:55.4	54	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6628	M1O	03-362/18:35:53.4		NOTE: Exit Planetary Atmosphere 9040		03-362/18:26:53.1
6629	M1O	03-362/18:39:55.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-362/18:30:55.1
6630	M1O	03-362/18:39:55.4	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6631	M1O	03-362/18:39:56.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-362/18:30:56.1
6632	M1O	03-362/18:45:39.7		NOTE: Descending Node Crossing 9041		03-362/18:36:39.4
6633	M1O	03-362/19:15:01.9		NOTE: South Pole Crossing 9041		03-362/19:06:01.5
6634	M1O	03-362/19:16:34.8		NOTE: Periapsis 9041 ----------		03-362/19:07:34.4
6635	M1O	03-362/19:20:00.0	14	Begin Pre-Cal		
6636	M1O	03-362/19:20:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
6637	M1O	03-362/19:20:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
6638	M1O	03-362/19:20:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
6639	M1O	03-362/19:20:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
6640	M1O	03-362/19:20:00.0	14	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
6641	M1O	03-362/19:20:00.0	14	Config: RCV: Parms:		
6642	M1O	03-362/19:20:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
6643	M1O	03-362/19:20:00.0	14	Config: TGC: BAND=X, SR=79632.000000		
6644	M1O	03-362/19:20:00.0	14	Config: TXL		
6645	M1O	03-362/19:20:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
6646	M1O	03-362/19:20:00.0	14	Config: CMD		
6647	M1O	03-362/19:20:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
6648	M1O	03-362/19:30:08.4		SPAWN, Engine = 65535, Parameters = 362, 03, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-362/19:21:08.0
6649	M1O	03-362/19:30:08.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/19:21:08.5
6650	M1O	03-362/19:30:08.9	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6651	M1O	03-362/19:30:09.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-362/19:21:09.1
6652	M1O	03-362/19:30:11.5		CALL, Engine = , Parameters = 56	get_cmd_opt	03-362/19:21:11.1
6653	M1O	03-362/19:30:11.8		CALL, Engine = , Parameters = 362, 03, 056	bld_autosw	03-362/19:21:11.4
6654	M1O	03-362/19:30:12.9		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-362/19:21:12.5
6655	M1O	03-362/19:30:14.0		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-362/19:21:13.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy362_pass03_file01.dat, d:/dat/autoswitch.dat		
6656	M1O	03-362/19:30:15.0		Deletes the designated file.: d:/dat/056_doy362_pass03_file01.dat	FILE_DELETE	03-362/19:21:14.6
6657	M1O	03-362/19:30:16.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/19:21:15.7
6658	M1O	03-362/19:30:17.1		Deletes the designated file.: d:/dat/056_doy362_pass03_file02.dat	FILE_DELETE	03-362/19:21:16.7
6659	M1O	03-362/19:30:18.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/19:21:17.8
6660	M1O	03-362/19:30:19.2		Deletes the designated file.: d:/dat/056_doy362_pass03_file03.dat	FILE_DELETE	03-362/19:21:18.8
6661	M1O	03-362/19:30:20.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/19:21:19.9
6662	M1O	03-362/19:30:21.3		Deletes the designated file.: d:/dat/056_doy362_pass03_file04.dat	FILE_DELETE	03-362/19:21:20.9
6663	M1O	03-362/19:30:22.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/19:21:22.0
6664	M1O	03-362/19:30:23.4		Deletes the designated file.: d:/dat/056_doy362_pass03_file05.dat	FILE_DELETE	03-362/19:21:23.0
6665	M1O	03-362/19:30:24.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/19:21:24.1
6666	M1O	03-362/19:30:25.5		Deletes the designated file.: d:/dat/056_doy362_pass03_file06.dat	FILE_DELETE	03-362/19:21:25.1
6667	M1O	03-362/19:30:26.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/19:21:26.2
6668	M1O	03-362/19:30:27.6		Deletes the designated file.: d:/dat/056_doy362_pass03_file07.dat	FILE_DELETE	03-362/19:21:27.2
6669	M1O	03-362/19:30:28.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/19:21:28.3
6670	M1O	03-362/19:30:29.7		Deletes the designated file.: d:/dat/056_doy362_pass03_file08.dat	FILE_DELETE	03-362/19:21:29.3
6671	M1O	03-362/19:30:30.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/19:21:30.4
6672	M1O	03-362/19:30:31.8		Deletes the designated file.: d:/dat/056_doy362_pass03_file09.dat	FILE_DELETE	03-362/19:21:31.4
6673	M1O	03-362/19:30:32.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/19:21:32.5
6674	M1O	03-362/19:30:33.9		Deletes the designated file.: d:/dat/056_doy362_pass03_file10.dat	FILE_DELETE	03-362/19:21:33.5
6675	M1O	03-362/19:30:35.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/19:21:34.6
6676	M1O	03-362/19:30:36.0		Deletes the designated file.: d:/dat/056_doy362_pass03_file11.dat	FILE_DELETE	03-362/19:21:35.6
6677	M1O	03-362/19:30:37.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/19:21:36.7
6678	M1O	03-362/19:30:38.1		Deletes the designated file.: d:/dat/056_doy362_pass03_file12.dat	FILE_DELETE	03-362/19:21:37.7
6679	M1O	03-362/19:30:39.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/19:21:38.8
6680	M1O	03-362/19:30:40.2		Deletes the designated file.: d:/dat/056_doy362_pass03_file13.dat	FILE_DELETE	03-362/19:21:39.8
6681	M1O	03-362/19:30:41.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/19:21:40.9
6682	M1O	03-362/19:30:42.3		Deletes the designated file.: d:/dat/056_doy362_pass03_file14.dat	FILE_DELETE	03-362/19:21:41.9
6683	M1O	03-362/19:30:43.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/19:21:43.0
6684	M1O	03-362/19:30:44.4		Deletes the designated file.: d:/dat/056_doy362_pass03_file15.dat	FILE_DELETE	03-362/19:21:44.0
6685	M1O	03-362/19:30:45.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/19:21:45.1
6686	M1O	03-362/19:30:46.5		Deletes the designated file.: d:/dat/056_doy362_pass03_file16.dat	FILE_DELETE	03-362/19:21:46.1
6687	M1O	03-362/19:30:47.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/19:21:47.2
6688	M1O	03-362/19:30:48.6		Deletes the designated file.: d:/dat/056_doy362_pass03_file17.dat	FILE_DELETE	03-362/19:21:48.2
6689	M1O	03-362/19:30:49.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/19:21:49.3
6690	M1O	03-362/19:30:50.7		Deletes the designated file.: d:/dat/056_doy362_pass03_file18.dat	FILE_DELETE	03-362/19:21:50.3
6691	M1O	03-362/19:30:51.8		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-362/19:21:51.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy362_pass03_file19.dat, d:/dat/autoswitch.dat		
6692	M1O	03-362/19:30:52.8		Deletes the designated file.: d:/dat/056_doy362_pass03_file19.dat	FILE_DELETE	03-362/19:21:52.4
6693	M1O	03-362/19:30:53.8		CALL, Engine = , Parameters = 56	get_apid	03-362/19:21:53.4
6694	M1O	03-362/19:30:54.9		CALL, Engine = , Parameters = 56	get_rcv_mode	03-362/19:21:54.5
6695	M1O	03-362/19:30:55.1		CALL, Engine = , Parameters = 56	get_dl_rate	03-362/19:21:54.7
6696	M1O	03-362/19:30:56.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-362/19:21:55.8
6697	M1O	03-362/19:30:57.4		CALL, Engine = , Parameters = 56	get_coding	03-362/19:21:57.0
6698	M1O	03-362/19:30:58.6		CALL, Engine = , Parameters = 56	get_xmt_mode	03-362/19:21:58.2
6699	M1O	03-362/19:30:59.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-362/19:21:59.4
6700	M1O	03-362/19:31:17.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
6701	M1O	03-362/19:32:04.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-362/19:23:04.2
6702	M1O	03-362/19:32:05.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-362/19:23:05.2
6703	M1O	03-362/19:32:06.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-362/19:23:06.2
6704	M1O	03-362/19:32:07.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-362/19:23:07.2
6705	M1O	03-362/19:32:08.6		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-362/19:23:08.2
6706	M1O	03-362/19:32:09.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-362/19:23:09.2
6707	M1O	03-362/19:32:10.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/19:23:10.2
6708	M1O	03-362/19:33:00.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/19:24:00.2
6709	M1O	03-362/19:33:10.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-362/19:24:10.2
6710	M1O	03-362/19:35:11.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/19:26:11.2
6711	M1O	03-362/19:35:12.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/19:26:12.2
6712	M1O	03-362/19:37:11.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/19:28:11.2
6713	M1O	03-362/19:37:12.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/19:28:12.2
6714	M1O	03-362/19:39:11.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/19:30:11.2
6715	M1O	03-362/19:39:12.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/19:30:12.2
6716	M1O	03-362/19:41:11.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/19:32:11.2
6717	M1O	03-362/19:41:12.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/19:32:12.2
6718	M1O	03-362/19:41:17.0	54	Range Modulation Off		
6719	M1O	03-362/19:43:11.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/19:34:11.2
6720	M1O	03-362/19:43:12.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/19:34:12.2
6721	M1O	03-362/19:43:34.1		NOTE: Enter Solar Eclipse 9041		03-362/19:34:33.6
6722	M1O	03-362/19:44:20.1		NOTE: Ascending Node Crossing 9041		03-362/19:35:19.6
6723	M1O	03-362/19:45:11.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/19:36:11.2
6724	M1O	03-362/19:45:12.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/19:36:12.2
6725	M1O	03-362/19:46:17.0	54	X-Band Transmitter Off		
6726	M1O	03-362/19:47:11.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/19:38:11.2
6727	M1O	03-362/19:47:12.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	03-362/19:38:12.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				BYPASS_COD, PSK		
6728	M1O	03-362/19:49:11.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/19:40:11.2
6729	M1O	03-362/19:49:12.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/19:40:12.2
6730	M1O	03-362/19:51:11.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/19:42:11.2
6731	M1O	03-362/19:51:12.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/19:42:12.2
6732	M1O	03-362/19:53:11.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/19:44:11.2
6733	M1O	03-362/19:53:12.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/19:44:12.2
6734	M1O	03-362/19:55:11.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/19:46:11.2
6735	M1O	03-362/19:55:12.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/19:46:12.2
6736	M1O	03-362/19:57:11.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/19:48:11.2
6737	M1O	03-362/19:57:12.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/19:48:12.2
6738	M1O	03-362/19:59:11.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/19:50:11.2
6739	M1O	03-362/19:59:12.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/19:50:12.2
6740	M1O	03-362/20:01:11.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/19:52:11.2
6741	M1O	03-362/20:01:12.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/19:52:12.2
6742	M1O	03-362/20:03:11.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/19:54:11.2
6743	M1O	03-362/20:03:12.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/19:54:12.2
6744	M1O	03-362/20:03:15.6		SPAWN, Engine = 65535, Parameters = 3, 00:34:40.267, 1	dpt	03-362/19:54:15.0
6745	M1O	03-362/20:03:17.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/19:54:17.1
6746	M1O	03-362/20:03:18.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-362/19:54:18.1
6747	M1O	03-362/20:04:08.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/19:55:08.2
6748	M1O	03-362/20:04:09.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-362/19:55:09.3
6749	M1O	03-362/20:04:17.9	54	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6750	M1O	03-362/20:04:19.5		NOTE: ENTER HGA KEEP OUT ZONE		
6751	M1O	03-362/20:04:19.5	54	NOTE: Loss Of X-Band Signal		
6752	M1O	03-362/20:04:19.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-362/19:55:19.3
6753	M1O	03-362/20:04:20.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-362/19:55:20.3
6754	M1O	03-362/20:04:21.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-362/19:55:21.3
6755	M1O	03-362/20:04:22.8		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-362/19:55:22.3
6756	M1O	03-362/20:05:28.0		NOTE: Exit Solar Eclipse 9041		03-362/19:56:27.4
6757	M1O	03-362/20:11:51.1		NOTE: Enter Planetary Atmosphere 9041		03-362/20:02:50.5
6758	M1O	03-362/20:13:19.5		NOTE: Enter Earth Occultation 9041		03-362/20:04:18.9
6759	M1O	03-362/20:14:14.1		NOTE: North Pole Crossing 9041		03-362/20:05:13.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6760	M1O	03-362/20:16:31.2		NOTE: Apoapsis 9041 -		03-362/20:07:30.6
6761	M1O	03-362/20:20:00.0	14	Begin Tracking		
6762	M1O	03-362/20:20:00.4		NOTE: Changing to 70M downlink rate: 110600_BPS		03-362/20:10:59.8
6763	M1O	03-362/20:20:00.4		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	03-362/20:10:59.8
6764	M1O	03-362/20:25:19.6		NOTE: EXIT HGA KEEP OUT ZONE		
6765	M1O	03-362/20:28:17.0	14	NOTE: Above Uplink Interlock Limit		
6766	M1O	03-362/20:30:00.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6767	M1O	03-362/20:32:57.9		NOTE: Exit Earth Occultation 9041		03-362/20:23:57.3
6768	M1O	03-362/20:32:57.9	14	Acquisition Of X-Band Signal		
6769	M1O	03-362/20:32:57.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6770	M1O	03-362/20:32:57.9	54	Acquisition Of X-Band Signal		
6771	M1O	03-362/20:32:57.9	54	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6772	M1O	03-362/20:34:27.3		NOTE: Exit Planetary Atmosphere 9041		03-362/20:25:26.6
6773	M1O	03-362/20:35:00.0	14	Range Modulation On: SUP=3.0dB		
6774	M1O	03-362/20:36:00.0	14	Begin Ranging Acquisition		
6775	M1O	03-362/20:37:58.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-362/20:28:57.4
6776	M1O	03-362/20:37:58.0	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6777	M1O	03-362/20:37:58.0	54	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6778	M1O	03-362/20:37:59.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-362/20:28:58.4
6779	M1O	03-362/20:44:11.9		NOTE: Descending Node Crossing 9042		03-362/20:35:11.2
6780	M1O	03-362/20:46:58.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-362/20:37:58.0
6781	M1O	03-362/20:47:00.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/20:38:00.1
6782	M1O	03-362/20:47:00.8	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6783	M1O	03-362/20:47:00.8	54	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6784	M1O	03-362/20:47:01.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-362/20:38:01.1
6785	M1O	03-362/20:48:01.2	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6786	M1O	03-362/20:48:01.2	54	Acquire D/L: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6787	M1O	03-362/20:53:00.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-362/20:44:00.1
6788	M1O	03-362/20:53:00.8	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6789	M1O	03-362/20:53:00.8	54	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6790	M1O	03-362/20:53:01.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-362/20:44:01.1
6791	M1O	03-362/21:13:33.1		NOTE: South Pole Crossing 9042		03-362/21:04:32.4
6792	M1O	03-362/21:15:01.5		NOTE: Periapsis 9042 ----------		03-362/21:06:00.7
6793	M1O	03-362/21:29:49.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
6794	M1O	03-362/21:39:49.0	14	Range Modulation Off		
6795	M1O	03-362/21:41:17.8		SPAWN, Engine = 65535, Parameters = 362, 04, TRUE, 00:05:19.684, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-362/21:32:17.0
6796	M1O	03-362/21:41:18.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/21:32:17.5
6797	M1O	03-362/21:41:18.3	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6798	M1O	03-362/21:41:18.3	54	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6799	M1O	03-362/21:41:18.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-362/21:32:18.1
6800	M1O	03-362/21:41:20.9		CALL, Engine = , Parameters = 56	get_cmd_opt	03-362/21:32:20.1
6801	M1O	03-362/21:41:21.2		CALL, Engine = , Parameters = 362, 04, 056	bld_autosw	03-362/21:32:20.4
6802	M1O	03-362/21:41:22.3		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-362/21:32:21.5
6803	M1O	03-362/21:41:23.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/21:32:22.6
6804	M1O	03-362/21:41:24.4		Deletes the designated file.: d:/dat/056_doy362_pass04_file01.dat	FILE_DELETE	03-362/21:32:23.6
6805	M1O	03-362/21:41:25.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/21:32:24.7
6806	M1O	03-362/21:41:26.5		Deletes the designated file.: d:/dat/056_doy362_pass04_file02.dat	FILE_DELETE	03-362/21:32:25.7
6807	M1O	03-362/21:41:27.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/21:32:26.8
6808	M1O	03-362/21:41:28.6		Deletes the designated file.: d:/dat/056_doy362_pass04_file03.dat	FILE_DELETE	03-362/21:32:27.8
6809	M1O	03-362/21:41:29.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/21:32:28.9
6810	M1O	03-362/21:41:30.7		Deletes the designated file.: d:/dat/056_doy362_pass04_file04.dat	FILE_DELETE	03-362/21:32:29.9
6811	M1O	03-362/21:41:31.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/21:32:31.0
6812	M1O	03-362/21:41:32.8		Deletes the designated file.: d:/dat/056_doy362_pass04_file05.dat	FILE_DELETE	03-362/21:32:32.0
6813	M1O	03-362/21:41:33.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/21:32:33.1
6814	M1O	03-362/21:41:34.9		Deletes the designated file.: d:/dat/056_doy362_pass04_file06.dat	FILE_DELETE	03-362/21:32:34.1
6815	M1O	03-362/21:41:36.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/21:32:35.2
6816	M1O	03-362/21:41:37.0		Deletes the designated file.: d:/dat/056_doy362_pass04_file07.dat	FILE_DELETE	03-362/21:32:36.2
6817	M1O	03-362/21:41:38.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/21:32:37.3
6818	M1O	03-362/21:41:39.1		Deletes the designated file.: d:/dat/056_doy362_pass04_file08.dat	FILE_DELETE	03-362/21:32:38.3
6819	M1O	03-362/21:41:40.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/21:32:39.4
6820	M1O	03-362/21:41:41.2		Deletes the designated file.: d:/dat/056_doy362_pass04_file09.dat	FILE_DELETE	03-362/21:32:40.4
6821	M1O	03-362/21:41:42.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/21:32:41.5
6822	M1O	03-362/21:41:43.3		Deletes the designated file.: d:/dat/056_doy362_pass04_file10.dat	FILE_DELETE	03-362/21:32:42.5
6823	M1O	03-362/21:41:44.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/21:32:43.6
6824	M1O	03-362/21:41:45.4		Deletes the designated file.: d:/dat/056_doy362_pass04_file11.dat	FILE_DELETE	03-362/21:32:44.6
6825	M1O	03-362/21:41:46.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/21:32:45.7
6826	M1O	03-362/21:41:47.5		Deletes the designated file.: d:/dat/056_doy362_pass04_file12.dat	FILE_DELETE	03-362/21:32:46.7
6827	M1O	03-362/21:41:48.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/21:32:47.8
6828	M1O	03-362/21:41:49.6		Deletes the designated file.: d:/dat/056_doy362_pass04_file13.dat	FILE_DELETE	03-362/21:32:48.8
6829	M1O	03-362/21:41:50.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/21:32:49.9
6830	M1O	03-362/21:41:51.7		Deletes the designated file.: d:/dat/056_doy362_pass04_file14.dat	FILE_DELETE	03-362/21:32:50.9
6831	M1O	03-362/21:41:52.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/21:32:52.0
6832	M1O	03-362/21:41:53.8		Deletes the designated file.: d:/dat/056_doy362_pass04_file15.dat	FILE_DELETE	03-362/21:32:53.0
6833	M1O	03-362/21:41:54.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/21:32:54.1
6834	M1O	03-362/21:41:55.9		Deletes the designated file.: d:/dat/056_doy362_pass04_file16.dat	FILE_DELETE	03-362/21:32:55.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6835	M1O	03-362/21:41:57.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/21:32:56.2
6836	M1O	03-362/21:41:58.0		Deletes the designated file.: d:/dat/056_doy362_pass04_file17.dat	FILE_DELETE	03-362/21:32:57.2
6837	M1O	03-362/21:41:59.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/21:32:58.3
6838	M1O	03-362/21:42:00.1		Deletes the designated file.: d:/dat/056_doy362_pass04_file18.dat	FILE_DELETE	03-362/21:32:59.3
6839	M1O	03-362/21:42:01.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/21:33:00.4
6840	M1O	03-362/21:42:02.2		Deletes the designated file.: d:/dat/056_doy362_pass04_file19.dat	FILE_DELETE	03-362/21:33:01.4
6841	M1O	03-362/21:42:03.2		CALL, Engine = , Parameters = 56	get_apid	03-362/21:33:02.4
6842	M1O	03-362/21:42:04.3		CALL, Engine = , Parameters = 56	get_rcv_mode	03-362/21:33:03.5
6843	M1O	03-362/21:42:04.4		NOTE: Enter Solar Eclipse 9042		03-362/21:33:03.6
6844	M1O	03-362/21:42:04.5		CALL, Engine = , Parameters = 56	get_dl_rate	03-362/21:33:03.7
6845	M1O	03-362/21:42:05.6		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-362/21:33:04.8
6846	M1O	03-362/21:42:06.8		CALL, Engine = , Parameters = 56	get_coding	03-362/21:33:06.0
6847	M1O	03-362/21:42:08.0		CALL, Engine = , Parameters = 56	get_xmt_mode	03-362/21:33:07.2
6848	M1O	03-362/21:42:09.2		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-362/21:33:08.4
6849	M1O	03-362/21:42:50.7		NOTE: Ascending Node Crossing 9042		03-362/21:33:49.9
6850	M1O	03-362/21:43:14.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-362/21:34:13.2
6851	M1O	03-362/21:43:15.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-362/21:34:14.2
6852	M1O	03-362/21:43:16.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-362/21:34:15.2
6853	M1O	03-362/21:43:17.0		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-362/21:34:16.2
6854	M1O	03-362/21:43:18.0		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-362/21:34:17.2
6855	M1O	03-362/21:43:19.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-362/21:34:18.2
6856	M1O	03-362/21:43:20.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/21:34:19.2
6857	M1O	03-362/21:44:10.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/21:35:09.2
6858	M1O	03-362/21:44:20.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-362/21:35:19.2
6859	M1O	03-362/21:44:49.0	14	X-Band Transmitter Off		
6860	M1O	03-362/21:46:21.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/21:37:20.2
6861	M1O	03-362/21:46:22.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/21:37:21.2
6862	M1O	03-362/21:48:21.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/21:39:20.2
6863	M1O	03-362/21:48:22.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/21:39:21.2
6864	M1O	03-362/21:48:37.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-362/21:39:36.8
6865	M1O	03-362/21:48:38.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-362/21:39:37.9
6866	M1O	03-362/21:48:48.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-362/21:39:47.9
6867	M1O	03-362/21:48:49.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-362/21:39:48.9
6868	M1O	03-362/21:48:50.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-362/21:39:49.9
6869	M1O	03-362/21:48:50.8	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6870	M1O	03-362/21:48:50.8	54	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6871	M1O	03-362/21:48:51.8		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-362/21:39:50.9
6872	M1O	03-362/21:53:50.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-362/21:44:49.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6873	M1O	03-362/21:53:50.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6874	M1O	03-362/21:53:50.5	54	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6875	M1O	03-362/22:00:00.0	54	End Tracking		
6876	M1O	03-362/22:01:47.9		SPAWN, Engine = 65535, Parameters = 3, 00:35:10, 1	dpt	03-362/21:52:47.0
6877	M1O	03-362/22:01:50.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/21:52:49.1
6878	M1O	03-362/22:01:50.0	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6879	M1O	03-362/22:01:51.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-362/21:52:50.1
6880	M1O	03-362/22:02:50.6	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6881	M1O	03-362/22:02:51.8		NOTE: ENTER HGA KEEP OUT ZONE		
6882	M1O	03-362/22:02:51.8	14	NOTE: Loss Of X-Band Signal		
6883	M1O	03-362/22:03:57.3		NOTE: Exit Solar Eclipse 9042		03-362/21:54:56.4
6884	M1O	03-362/22:10:23.5		NOTE: Enter Planetary Atmosphere 9042		03-362/22:01:22.5
6885	M1O	03-362/22:11:52.1		NOTE: Enter Earth Occultation 9042		03-362/22:02:51.1
6886	M1O	03-362/22:12:45.3		NOTE: North Pole Crossing 9042		03-362/22:03:44.4
6887	M1O	03-362/22:13:59.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6888	M1O	03-362/22:14:52.5		NOTE: Apoapsis 9042 -		03-362/22:05:51.6
6889	M1O	03-362/22:15:00.0	54	End Post-Cal		
6890	M1O	03-362/22:18:59.0	14	Range Modulation On: SUP=3.0dB		
6891	M1O	03-362/22:19:59.0	14	Begin Ranging Acquisition		
6892	M1O	03-362/22:23:51.9		NOTE: EXIT HGA KEEP OUT ZONE		
6893	M1O	03-362/22:31:28.2		NOTE: Exit Earth Occultation 9042		03-362/22:22:27.2
6894	M1O	03-362/22:31:28.2	14	Acquisition Of X-Band Signal		
6895	M1O	03-362/22:31:28.2	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6896	M1O	03-362/22:32:00.8	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6897	M1O	03-362/22:32:57.8		NOTE: Exit Planetary Atmosphere 9042		03-362/22:23:56.8
6898	M1O	03-362/22:37:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-362/22:27:59.1
6899	M1O	03-362/22:37:00.1	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6900	M1O	03-362/22:37:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-362/22:28:00.1
6901	M1O	03-362/22:42:43.6		NOTE: Descending Node Crossing 9043		03-362/22:33:42.6
6902	M1O	03-362/23:12:04.7		NOTE: South Pole Crossing 9043		03-362/23:03:03.6
6903	M1O	03-362/23:13:11.9		NOTE: Periapsis 9043 ----------		03-362/23:04:10.7
6904	M1O	03-362/23:28:20.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
6905	M1O	03-362/23:38:20.0	14	Range Modulation Off		
6906	M1O	03-362/23:40:38.4		NOTE: Enter Solar Eclipse 9043		03-362/23:31:37.2
6907	M1O	03-362/23:41:22.9		NOTE: Ascending Node Crossing 9043		03-362/23:32:21.7
6908	M1O	03-362/23:43:20.0	14	X-Band Transmitter Off		
6909	M1O	03-363/00:00:00.0		Light Time: OWLT = 09:01, RTLT = 18:02		
6910	M1O	03-363/00:00:18.2		SPAWN, Engine = 65535, Parameters = 3, 00:35:09.199, 1	dpt	03-362/23:51:16.9
6911	M1O	03-363/00:00:20.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-362/23:51:19.0
6912	M1O	03-363/00:00:20.3	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6913	M1O	03-363/00:00:21.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-362/23:51:20.0
6914	M1O	03-363/00:01:22.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6915	M1O	03-363/00:01:23.2		NOTE: ENTER HGA KEEP OUT ZONE		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6916	M1O	03-363/00:01:23.2	14	NOTE: Loss Of X-Band Signal		
6917	M1O	03-363/00:02:25.0		NOTE: Exit Solar Eclipse 9043		03-362/23:53:23.7
6918	M1O	03-363/00:09:01.7		NOTE: Enter Planetary Atmosphere 9043		03-363/00:00:00.4
6919	M1O	03-363/00:10:30.9		NOTE: Enter Earth Occultation 9043		03-363/00:01:29.6
6920	M1O	03-363/00:11:18.6		NOTE: North Pole Crossing 9043		03-363/00:02:17.3
6921	M1O	03-363/00:12:27.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6922	M1O	03-363/00:13:06.5		NOTE: Apoapsis 9043 -		03-363/00:04:05.2
6923	M1O	03-363/00:17:27.0	14	Range Modulation On: SUP=3.0dB		
6924	M1O	03-363/00:18:27.0	14	Begin Ranging Acquisition		
6925	M1O	03-363/00:22:23.3		NOTE: EXIT HGA KEEP OUT ZONE		
6926	M1O	03-363/00:29:57.9		NOTE: Exit Earth Occultation 9043		03-363/00:20:56.6
6927	M1O	03-363/00:29:57.9	14	Acquisition Of X-Band Signal		
6928	M1O	03-363/00:29:57.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6929	M1O	03-363/00:30:29.5	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6930	M1O	03-363/00:31:28.2		NOTE: Exit Planetary Atmosphere 9043		03-363/00:22:26.8
6931	M1O	03-363/00:35:29.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-363/00:26:28.2
6932	M1O	03-363/00:35:29.6	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6933	M1O	03-363/00:35:30.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-363/00:26:29.2
6934	M1O	03-363/00:41:17.6		NOTE: Descending Node Crossing 9044		03-363/00:32:16.2
6935	M1O	03-363/01:10:40.0		NOTE: South Pole Crossing 9044		03-363/01:01:38.5
6936	M1O	03-363/01:11:54.4		NOTE: Periapsis 9044 ----------		03-363/01:02:52.9
6937	M1O	03-363/01:26:53.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
6938	M1O	03-363/01:36:53.0	14	Range Modulation Off		
6939	M1O	03-363/01:39:15.5		NOTE: Enter Solar Eclipse 9044		03-363/01:30:13.9
6940	M1O	03-363/01:39:59.3		NOTE: Ascending Node Crossing 9044		03-363/01:30:57.7
6941	M1O	03-363/01:41:53.0	14	X-Band Transmitter Off		
6942	M1O	03-363/01:58:53.7		SPAWN, Engine = 65535, Parameters = 3, 00:35:07, 1	dpt	03-363/01:49:52.1
6943	M1O	03-363/01:58:55.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/01:49:54.2
6944	M1O	03-363/01:58:55.8	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6945	M1O	03-363/01:58:56.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-363/01:49:55.2
6946	M1O	03-363/01:59:56.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6947	M1O	03-363/01:59:57.6		NOTE: ENTER HGA KEEP OUT ZONE		
6948	M1O	03-363/01:59:57.6	14	NOTE: Loss Of X-Band Signal		
6949	M1O	03-363/02:00:58.6		NOTE: Exit Solar Eclipse 9044		03-363/01:51:56.9
6950	M1O	03-363/02:07:40.0		NOTE: Enter Planetary Atmosphere 9044		03-363/01:58:38.3
6951	M1O	03-363/02:09:09.6		NOTE: Enter Earth Occultation 9044		03-363/02:00:08.0
6952	M1O	03-363/02:09:54.6		NOTE: North Pole Crossing 9044		03-363/02:00:53.0
6953	M1O	03-363/02:11:00.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6954	M1O	03-363/02:12:02.2		NOTE: Apoapsis 9044 -		03-363/02:03:00.5
6955	M1O	03-363/02:16:00.0	14	Range Modulation On: SUP=3.0dB		
6956	M1O	03-363/02:17:00.0	14	Begin Ranging Acquisition		
6957	M1O	03-363/02:20:57.6		NOTE: EXIT HGA KEEP OUT ZONE		
6958	M1O	03-363/02:28:31.0		NOTE: Exit Earth Occultation 9044		03-363/02:19:29.3
6959	M1O	03-363/02:28:31.0	14	Acquisition Of X-Band Signal		
6960	M1O	03-363/02:28:31.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6961	M1O	03-363/02:29:03.3	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
6962	M1O	03-363/02:30:01.5		NOTE: Exit Planetary Atmosphere 9044		03-363/02:20:59.8
6963	M1O	03-363/02:30:02.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
6964	M1O	03-363/02:34:03.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-363/02:25:01.2
6965	M1O	03-363/02:34:03.0	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6966	M1O	03-363/02:34:04.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-363/02:25:02.2
6967	M1O	03-363/02:39:53.7		NOTE: Descending Node Crossing 9045		03-363/02:30:52.0
6968	M1O	03-363/02:40:02.0	14	Range Modulation Off		
6969	M1O	03-363/02:45:02.0	14	X-Band Transmitter Off		
6970	M1O	03-363/02:52:54.7		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	03-363/02:43:53.0
6971	M1O	03-363/02:52:54.8		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-363/02:43:53.1
6972	M1O	03-363/02:52:55.8		Forces a desaturation of the reaction wheels.	RW_DESAT	03-363/02:43:54.1
6973	M1O	03-363/02:54:54.7		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-363/02:45:53.0
6974	M1O	03-363/02:55:10.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-361T02:45:53.100, 2003-363T02:45:53.100	PCKTS_RE_TX_TIME	03-363/02:46:08.8
6975	M1O	03-363/02:55:11.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-361T02:45:53.100, 2003-363T02:45:53.100	PCKTS_RE_TX_TIME	03-363/02:46:09.8
6976	M1O	03-363/02:55:12.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-361T02:45:53.100, 2003-363T02:45:53.100	PCKTS_RE_TX_TIME	03-363/02:46:10.8
6977	M1O	03-363/02:55:13.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-361T02:45:53.100, 2003-363T02:45:53.100	PCKTS_RE_TX_TIME	03-363/02:46:11.8
6978	M1O	03-363/02:55:14.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-361T02:45:53.100, 2003-363T02:45:53.100	PCKTS_RE_TX_TIME	03-363/02:46:12.8
6979	M1O	03-363/02:55:15.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-361T02:45:53.100, 2003-363T02:45:53.100	PCKTS_RE_TX_TIME	03-363/02:46:13.8
6980	M1O	03-363/02:55:15.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-363/02:46:13.8
6981	M1O	03-363/02:55:15.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6982	M1O	03-363/03:02:16.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/02:53:14.8
6983	M1O	03-363/03:02:16.6	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6984	M1O	03-363/03:02:17.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-363/02:53:15.8
6985	M1O	03-363/03:02:33.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-363/02:53:31.8
6986	M1O	03-363/03:02:33.6	14	D/L RF Warning: SC antenna change - expect signal level variation		
6987	M1O	03-363/03:02:34.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-363/02:53:32.8
6988	M1O	03-363/03:03:05.5	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
6989	M1O	03-363/03:04:25.9		CALL, Engine = , Parameters = FALSE	park_hga	03-363/02:55:24.1
6990	M1O	03-363/03:04:25.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/02:55:24.1
6991	M1O	03-363/03:04:26.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-363/02:55:25.1
6992	M1O	03-363/03:04:27.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-363/02:55:26.1
6993	M1O	03-363/03:04:27.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-363/02:55:26.1
6994	M1O	03-363/03:04:27.9		NOTE: START HGA PARK		
6995	M1O	03-363/03:04:27.9	14	NOTE: Loss Of X-Band Signal		
6996	M1O	03-363/03:04:28.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-363/02:55:27.1
6997	M1O	03-363/03:04:29.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-363/02:55:28.1
6998	M1O	03-363/03:08:59.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	03-363/02:59:58.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6999	M1O	03-363/03:09:17.2		NOTE: South Pole Crossing 9045		03-363/03:00:15.3
7000	M1O	03-363/03:11:00.2		NOTE: Periapsis 9045 ----------		03-363/03:01:58.3
7001	M1O	03-363/03:12:29.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-363/03:03:28.1
7002	M1O	03-363/03:12:29.9		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-363/03:03:28.1
7003	M1O	03-363/03:37:51.5		NOTE: Enter Solar Eclipse 9045		03-363/03:28:49.5
7004	M1O	03-363/03:38:36.6		NOTE: Ascending Node Crossing 9045		03-363/03:29:34.7
7005	M1O	03-363/03:42:29.9		GV: GV_DESAT_ACTIVE = 1		03-363/03:33:28.0
7006	M1O	03-363/03:42:30.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	03-363/03:33:29.0
7007	M1O	03-363/03:42:30.9		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-363/03:33:29.0
7008	M1O	03-363/03:52:29.9		GV: GV_DESAT_ACTIVE = 0		03-363/03:43:28.0
7009	M1O	03-363/03:52:30.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	03-363/03:43:29.0
7010	M1O	03-363/03:52:31.9		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-363/03:43:30.0
7011	M1O	03-363/03:52:32.9		CALL, Engine = , Parameters =	unpark_hga	03-363/03:43:31.0
7012	M1O	03-363/03:52:32.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-363/03:43:31.0
7013	M1O	03-363/03:52:33.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-363/03:43:32.0
7014	M1O	03-363/03:57:03.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	03-363/03:48:02.0
7015	M1O	03-363/03:57:04.9		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	03-363/03:48:03.0
7016	M1O	03-363/03:58:53.9		NOTE: ENTER HGA KEEP OUT ZONE		
7017	M1O	03-363/03:59:35.4		NOTE: Exit Solar Eclipse 9045		03-363/03:50:33.4
7018	M1O	03-363/04:01:04.9		NOTE: EXIT HGA PARK		
7019	M1O	03-363/04:06:16.6		NOTE: Enter Planetary Atmosphere 9045		03-363/03:57:14.6
7020	M1O	03-363/04:07:46.3		NOTE: Enter Earth Occultation 9045		03-363/03:58:44.3
7021	M1O	03-363/04:08:31.5		NOTE: North Pole Crossing 9045		03-363/03:59:29.4
7022	M1O	03-363/04:09:34.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7023	M1O	03-363/04:11:15.0		NOTE: Apoapsis 9045 -		03-363/04:02:13.0
7024	M1O	03-363/04:14:34.0	14	Range Modulation On: SUP=3.0dB		
7025	M1O	03-363/04:15:00.0	43	Begin Pre-Cal		
7026	M1O	03-363/04:15:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
7027	M1O	03-363/04:15:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
7028	M1O	03-363/04:15:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
7029	M1O	03-363/04:15:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
7030	M1O	03-363/04:15:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
7031	M1O	03-363/04:15:00.0	43	Config: RCV: Parms:		
7032	M1O	03-363/04:15:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
7033	M1O	03-363/04:15:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
7034	M1O	03-363/04:15:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
7035	M1O	03-363/04:15:34.0	14	Begin Ranging Acquisition		
7036	M1O	03-363/04:19:34.0		NOTE: EXIT HGA KEEP OUT ZONE		
7037	M1O	03-363/04:26:41.1		SPAWN, Engine = 65535, Parameters = 00:05:31.091	cstr	03-363/04:17:39.0
7038	M1O	03-363/04:26:41.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/04:17:39.1
7039	M1O	03-363/04:26:42.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-363/04:17:40.1
7040	M1O	03-363/04:26:43.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-363/04:17:41.1
7041	M1O	03-363/04:26:44.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-363/04:17:42.1
7042	M1O	03-363/04:26:45.2		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-363/04:17:43.1
7043	M1O	03-363/04:26:55.2		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-363/04:17:53.1
7044	M1O	03-363/04:27:05.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-363/04:18:03.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7045	M1O	03-363/04:27:06.1		NOTE: Exit Earth Occultation 9045		03-363/04:18:04.0
7046	M1O	03-363/04:27:06.1	14	Acquisition Of X-Band Signal		
7047	M1O	03-363/04:27:06.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7048	M1O	03-363/04:27:38.0	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7049	M1O	03-363/04:28:36.7		NOTE: Exit Planetary Atmosphere 9045		03-363/04:19:34.7
7050	M1O	03-363/04:32:36.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-363/04:23:34.2
7051	M1O	03-363/04:32:37.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-363/04:23:35.2
7052	M1O	03-363/04:32:37.3	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7053	M1O	03-363/04:32:38.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-363/04:23:36.2
7054	M1O	03-363/04:38:30.7		NOTE: Descending Node Crossing 9046		03-363/04:29:28.6
7055	M1O	03-363/05:07:53.9		NOTE: South Pole Crossing 9046		03-363/04:58:51.7
7056	M1O	03-363/05:09:55.8		NOTE: Periapsis 9046 ----------		03-363/05:00:53.6
7057	M1O	03-363/05:24:25.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
7058	M1O	03-363/05:30:00.0	43	Begin Tracking		
7059	M1O	03-363/05:30:00.0	43	Acquire D/L: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7060	M1O	03-363/05:34:25.0	14	Range Modulation Off		
7061	M1O	03-363/05:36:25.3		NOTE: Enter Solar Eclipse 9046		03-363/05:27:23.0
7062	M1O	03-363/05:37:12.5		NOTE: Ascending Node Crossing 9046		03-363/05:28:10.2
7063	M1O	03-363/05:39:25.0	14	X-Band Transmitter Off		
7064	M1O	03-363/05:46:55.3	14	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
7065	M1O	03-363/05:56:26.5		SPAWN, Engine = 65535, Parameters = 3, 00:34:14.259, 1	dpt	03-363/05:47:24.1
7066	M1O	03-363/05:56:28.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/05:47:26.2
7067	M1O	03-363/05:56:28.6	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7068	M1O	03-363/05:56:28.6	43	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7069	M1O	03-363/05:56:29.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-363/05:47:27.2
7070	M1O	03-363/05:57:29.5	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7071	M1O	03-363/05:57:29.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7072	M1O	03-363/05:57:30.3		NOTE: ENTER HGA KEEP OUT ZONE		
7073	M1O	03-363/05:57:30.3	14	NOTE: Loss Of X-Band Signal		
7074	M1O	03-363/05:57:30.3	43	NOTE: Loss Of X-Band Signal		
7075	M1O	03-363/05:58:12.3		NOTE: Exit Solar Eclipse 9046		03-363/05:49:09.9
7076	M1O	03-363/06:04:50.6		NOTE: Enter Planetary Atmosphere 9046		03-363/05:55:48.2
7077	M1O	03-363/06:05:00.0	14	End Tracking		
7078	M1O	03-363/06:06:20.2		NOTE: Enter Earth Occultation 9046		03-363/05:57:17.8
7079	M1O	03-363/06:07:07.3		NOTE: North Pole Crossing 9046		03-363/05:58:05.0
7080	M1O	03-363/06:09:58.5		NOTE: Apoapsis 9046 -		03-363/06:00:56.1
7081	M1O	03-363/06:18:10.4		NOTE: EXIT HGA KEEP OUT ZONE		
7082	M1O	03-363/06:20:00.0	14	End Post-Cal		
7083	M1O	03-363/06:25:42.8		NOTE: Exit Earth Occultation 9046		03-363/06:16:40.4
7084	M1O	03-363/06:25:42.8	43	Acquisition Of X-Band Signal		
7085	M1O	03-363/06:25:42.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7086	M1O	03-363/06:27:13.3		NOTE: Exit Planetary Atmosphere 9046		03-363/06:18:10.9
7087	M1O	03-363/06:27:52.4		SPAWN, Engine = 65535, Parameters = 363, 01, TRUE, 00:07:55.297, 056, FALSE, 32_KPS,	uhf	03-363/06:18:50.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				00:01:00, 00:02:00		
7088	M1O	03-363/06:27:53.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-363/06:18:51.1
7089	M1O	03-363/06:27:55.5		CALL, Engine = , Parameters = 56	get_cmd_opt	03-363/06:18:53.1
7090	M1O	03-363/06:27:55.8		CALL, Engine = , Parameters = 363, 01, 056	bld_autosw	03-363/06:18:53.4
7091	M1O	03-363/06:27:56.9		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-363/06:18:54.5
7092	M1O	03-363/06:27:58.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/06:18:55.6
7093	M1O	03-363/06:27:59.0		Deletes the designated file.: d:/dat/056_doy363_pass01_file01.dat	FILE_DELETE	03-363/06:18:56.6
7094	M1O	03-363/06:28:00.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/06:18:57.7
7095	M1O	03-363/06:28:01.1		Deletes the designated file.: d:/dat/056_doy363_pass01_file02.dat	FILE_DELETE	03-363/06:18:58.7
7096	M1O	03-363/06:28:02.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/06:18:59.8
7097	M1O	03-363/06:28:03.2		Deletes the designated file.: d:/dat/056_doy363_pass01_file03.dat	FILE_DELETE	03-363/06:19:00.8
7098	M1O	03-363/06:28:04.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/06:19:01.9
7099	M1O	03-363/06:28:05.3		Deletes the designated file.: d:/dat/056_doy363_pass01_file04.dat	FILE_DELETE	03-363/06:19:02.9
7100	M1O	03-363/06:28:06.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/06:19:04.0
7101	M1O	03-363/06:28:07.4		Deletes the designated file.: d:/dat/056_doy363_pass01_file05.dat	FILE_DELETE	03-363/06:19:05.0
7102	M1O	03-363/06:28:08.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/06:19:06.1
7103	M1O	03-363/06:28:09.5		Deletes the designated file.: d:/dat/056_doy363_pass01_file06.dat	FILE_DELETE	03-363/06:19:07.1
7104	M1O	03-363/06:28:10.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/06:19:08.2
7105	M1O	03-363/06:28:11.6		Deletes the designated file.: d:/dat/056_doy363_pass01_file07.dat	FILE_DELETE	03-363/06:19:09.2
7106	M1O	03-363/06:28:12.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/06:19:10.3
7107	M1O	03-363/06:28:13.7		Deletes the designated file.: d:/dat/056_doy363_pass01_file08.dat	FILE_DELETE	03-363/06:19:11.3
7108	M1O	03-363/06:28:14.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/06:19:12.4
7109	M1O	03-363/06:28:15.8		Deletes the designated file.: d:/dat/056_doy363_pass01_file09.dat	FILE_DELETE	03-363/06:19:13.4
7110	M1O	03-363/06:28:16.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/06:19:14.5
7111	M1O	03-363/06:28:17.9		Deletes the designated file.: d:/dat/056_doy363_pass01_file10.dat	FILE_DELETE	03-363/06:19:15.5
7112	M1O	03-363/06:28:19.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/06:19:16.6
7113	M1O	03-363/06:28:20.0		Deletes the designated file.: d:/dat/056_doy363_pass01_file11.dat	FILE_DELETE	03-363/06:19:17.6
7114	M1O	03-363/06:28:21.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/06:19:18.7
7115	M1O	03-363/06:28:22.1		Deletes the designated file.: d:/dat/056_doy363_pass01_file12.dat	FILE_DELETE	03-363/06:19:19.7
7116	M1O	03-363/06:28:23.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/06:19:20.8
7117	M1O	03-363/06:28:24.2		Deletes the designated file.: d:/dat/056_doy363_pass01_file13.dat	FILE_DELETE	03-363/06:19:21.8
7118	M1O	03-363/06:28:25.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/06:19:22.9
7119	M1O	03-363/06:28:26.3		Deletes the designated file.: d:/dat/056_doy363_pass01_file14.dat	FILE_DELETE	03-363/06:19:23.9
7120	M1O	03-363/06:28:27.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/06:19:25.0
7121	M1O	03-363/06:28:28.4		Deletes the designated file.: d:/dat/056_doy363_pass01_file15.dat	FILE_DELETE	03-363/06:19:26.0
7122	M1O	03-363/06:28:29.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/06:19:27.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7123	M1O	03-363/06:28:30.5		Deletes the designated file.: d:/dat/056_doy363_pass01_file16.dat	FILE_DELETE	03-363/06:19:28.1
7124	M1O	03-363/06:28:31.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/06:19:29.2
7125	M1O	03-363/06:28:32.6		Deletes the designated file.: d:/dat/056_doy363_pass01_file17.dat	FILE_DELETE	03-363/06:19:30.2
7126	M1O	03-363/06:28:33.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/06:19:31.3
7127	M1O	03-363/06:28:34.7		Deletes the designated file.: d:/dat/056_doy363_pass01_file18.dat	FILE_DELETE	03-363/06:19:32.3
7128	M1O	03-363/06:28:35.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/06:19:33.4
7129	M1O	03-363/06:28:36.8		Deletes the designated file.: d:/dat/056_doy363_pass01_file19.dat	FILE_DELETE	03-363/06:19:34.4
7130	M1O	03-363/06:28:37.8		CALL, Engine = , Parameters = 56	get_apid	03-363/06:19:35.4
7131	M1O	03-363/06:28:38.9		CALL, Engine = , Parameters = 56	get_rcv_mode	03-363/06:19:36.5
7132	M1O	03-363/06:28:39.1		CALL, Engine = , Parameters = 56	get_dl_rate	03-363/06:19:36.7
7133	M1O	03-363/06:28:40.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-363/06:19:37.8
7134	M1O	03-363/06:28:41.4		CALL, Engine = , Parameters = 56	get_coding	03-363/06:19:39.0
7135	M1O	03-363/06:28:42.6		CALL, Engine = , Parameters = 56	get_xmt_mode	03-363/06:19:40.2
7136	M1O	03-363/06:28:43.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-363/06:19:41.4
7137	M1O	03-363/06:29:48.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-363/06:20:46.2
7138	M1O	03-363/06:29:49.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-363/06:20:47.2
7139	M1O	03-363/06:29:50.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-363/06:20:48.2
7140	M1O	03-363/06:29:51.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-363/06:20:49.2
7141	M1O	03-363/06:29:52.6		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-363/06:20:50.2
7142	M1O	03-363/06:29:53.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-363/06:20:51.2
7143	M1O	03-363/06:29:54.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/06:20:52.2
7144	M1O	03-363/06:30:42.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-363/06:21:40.5
7145	M1O	03-363/06:30:42.9	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7146	M1O	03-363/06:30:43.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/06:21:41.5
7147	M1O	03-363/06:30:43.9	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7148	M1O	03-363/06:30:43.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-363/06:21:41.5
7149	M1O	03-363/06:30:44.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/06:21:42.2
7150	M1O	03-363/06:30:54.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-363/06:21:52.2
7151	M1O	03-363/06:32:55.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/06:23:53.2
7152	M1O	03-363/06:32:56.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/06:23:54.2
7153	M1O	03-363/06:34:55.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/06:25:53.2
7154	M1O	03-363/06:34:56.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/06:25:54.2
7155	M1O	03-363/06:36:55.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/06:27:53.2
7156	M1O	03-363/06:36:56.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/06:27:54.2
7157	M1O	03-363/06:37:06.8		NOTE: Descending Node Crossing 9047		03-363/06:28:04.3
7158	M1O	03-363/06:37:47.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/06:28:45.4
7159	M1O	03-363/06:37:49.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-363/06:28:46.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7160	M1O	03-363/06:37:59.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-363/06:28:56.5
7161	M1O	03-363/06:38:00.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-363/06:28:57.5
7162	M1O	03-363/06:38:01.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-363/06:28:58.5
7163	M1O	03-363/06:38:01.0	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7164	M1O	03-363/06:38:02.0		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-363/06:28:59.5
7165	M1O	03-363/06:43:00.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-363/06:33:58.2
7166	M1O	03-363/06:43:00.7	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7167	M1O	03-363/07:06:28.7		NOTE: South Pole Crossing 9047		03-363/06:57:26.2
7168	M1O	03-363/07:08:24.8		NOTE: Periapsis 9047 ----------		03-363/06:59:22.2
7169	M1O	03-363/07:09:02.5		SPAWN, Engine = 65535, Parameters =	scdiag	03-363/07:00:00.0
7170	M1O	03-363/07:09:03.6		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	03-363/07:00:01.1
7171	M1O	03-363/07:09:04.6		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	03-363/07:00:02.1
7172	M1O	03-363/07:10:05.5		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-363/07:01:03.0
7173	M1O	03-363/07:10:05.7		NOTE: Start Block fsw_diag		03-363/07:01:03.2
7174	M1O	03-363/07:10:06.7		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	03-363/07:01:04.2
7175	M1O	03-363/07:10:07.7		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	03-363/07:01:05.2
7176	M1O	03-363/07:10:18.7		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	03-363/07:01:16.2
7177	M1O	03-363/07:10:48.7		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	03-363/07:01:46.2
7178	M1O	03-363/07:11:08.7		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	03-363/07:02:06.2
7179	M1O	03-363/07:11:18.7		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	03-363/07:02:16.2
7180	M1O	03-363/07:11:38.7		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	03-363/07:02:36.2
7181	M1O	03-363/07:11:48.7		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	03-363/07:02:46.2
7182	M1O	03-363/07:11:53.7		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	03-363/07:02:51.2
7183	M1O	03-363/07:11:58.7		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	03-363/07:02:56.2
7184	M1O	03-363/07:12:03.7		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	03-363/07:03:01.2
7185	M1O	03-363/07:12:08.7		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	03-363/07:03:06.2
7186	M1O	03-363/07:12:13.7		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	03-363/07:03:11.2
7187	M1O	03-363/07:12:53.7		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	03-363/07:03:51.2
7188	M1O	03-363/07:12:58.7		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	03-363/07:03:56.2
7189	M1O	03-363/07:13:03.7		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	03-363/07:04:01.2
7190	M1O	03-363/07:13:08.7		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	03-363/07:04:06.2
7191	M1O	03-363/07:13:13.7		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	03-363/07:04:11.2
7192	M1O	03-363/07:13:14.7		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	03-363/07:04:12.2
7193	M1O	03-363/07:13:15.7		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	03-363/07:04:13.2
7194	M1O	03-363/07:13:16.7		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-363/07:04:14.2
7195	M1O	03-363/07:13:27.7		NOTE: End Block fsw_diag.mod		03-363/07:04:25.2
7196	M1O	03-363/07:34:57.0		NOTE: Enter Solar Eclipse 9047		03-363/07:25:54.4
7197	M1O	03-363/07:35:46.0		NOTE: Ascending Node Crossing 9047		03-363/07:26:43.4
7198	M1O	03-363/07:54:44.7		SPAWN, Engine = 65535, Parameters = 3, 00:34:31.728, 1	dpt	03-363/07:45:42.0
7199	M1O	03-363/07:54:46.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/07:45:44.1
7200	M1O	03-363/07:54:46.8	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7201	M1O	03-363/07:54:47.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-363/07:45:45.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7202	M1O	03-363/07:55:46.7		NOTE: ENTER HGA KEEP OUT ZONE		
7203	M1O	03-363/07:55:46.7	43	NOTE: Loss Of X-Band Signal		
7204	M1O	03-363/07:56:47.8		NOTE: Exit Solar Eclipse 9047		03-363/07:47:45.1
7205	M1O	03-363/08:03:20.4		NOTE: Enter Planetary Atmosphere 9047		03-363/07:54:17.7
7206	M1O	03-363/08:04:49.6		NOTE: Enter Earth Occultation 9047		03-363/07:55:46.9
7207	M1O	03-363/08:05:40.7		NOTE: North Pole Crossing 9047		03-363/07:56:37.9
7208	M1O	03-363/08:08:13.3		NOTE: Apoapsis 9047 -		03-363/07:59:10.5
7209	M1O	03-363/08:13:40.7		SPAWN, Engine = 65535, Parameters = 363, 02, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-363/08:04:38.0
7210	M1O	03-363/08:13:41.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-363/08:04:39.1
7211	M1O	03-363/08:13:43.8		CALL, Engine = , Parameters = 56	get_cmd_opt	03-363/08:04:41.1
7212	M1O	03-363/08:13:44.1		CALL, Engine = , Parameters = 363, 02, 056	bld_autosw	03-363/08:04:41.4
7213	M1O	03-363/08:13:45.2		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-363/08:04:42.5
7214	M1O	03-363/08:13:46.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/08:04:43.6
7215	M1O	03-363/08:13:47.3		Deletes the designated file.: d:/dat/056_doy363_pass02_file01.dat	FILE_DELETE	03-363/08:04:44.6
7216	M1O	03-363/08:13:48.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/08:04:45.7
7217	M1O	03-363/08:13:49.4		Deletes the designated file.: d:/dat/056_doy363_pass02_file02.dat	FILE_DELETE	03-363/08:04:46.7
7218	M1O	03-363/08:13:50.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/08:04:47.8
7219	M1O	03-363/08:13:51.5		Deletes the designated file.: d:/dat/056_doy363_pass02_file03.dat	FILE_DELETE	03-363/08:04:48.8
7220	M1O	03-363/08:13:52.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/08:04:49.9
7221	M1O	03-363/08:13:53.6		Deletes the designated file.: d:/dat/056_doy363_pass02_file04.dat	FILE_DELETE	03-363/08:04:50.9
7222	M1O	03-363/08:13:54.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/08:04:52.0
7223	M1O	03-363/08:13:55.7		Deletes the designated file.: d:/dat/056_doy363_pass02_file05.dat	FILE_DELETE	03-363/08:04:53.0
7224	M1O	03-363/08:13:56.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/08:04:54.1
7225	M1O	03-363/08:13:57.8		Deletes the designated file.: d:/dat/056_doy363_pass02_file06.dat	FILE_DELETE	03-363/08:04:55.1
7226	M1O	03-363/08:13:58.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/08:04:56.2
7227	M1O	03-363/08:13:59.9		Deletes the designated file.: d:/dat/056_doy363_pass02_file07.dat	FILE_DELETE	03-363/08:04:57.2
7228	M1O	03-363/08:14:01.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/08:04:58.3
7229	M1O	03-363/08:14:02.0		Deletes the designated file.: d:/dat/056_doy363_pass02_file08.dat	FILE_DELETE	03-363/08:04:59.3
7230	M1O	03-363/08:14:03.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/08:05:00.4
7231	M1O	03-363/08:14:04.1		Deletes the designated file.: d:/dat/056_doy363_pass02_file09.dat	FILE_DELETE	03-363/08:05:01.4
7232	M1O	03-363/08:14:05.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/08:05:02.5
7233	M1O	03-363/08:14:06.2		Deletes the designated file.: d:/dat/056_doy363_pass02_file10.dat	FILE_DELETE	03-363/08:05:03.5
7234	M1O	03-363/08:14:07.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/08:05:04.6
7235	M1O	03-363/08:14:08.3		Deletes the designated file.: d:/dat/056_doy363_pass02_file11.dat	FILE_DELETE	03-363/08:05:05.6
7236	M1O	03-363/08:14:09.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/08:05:06.7
7237	M1O	03-363/08:14:10.4		Deletes the designated file.: d:/dat/056_doy363_pass02_file12.dat	FILE_DELETE	03-363/08:05:07.7
7238	M1O	03-363/08:14:11.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/08:05:08.8
7239	M1O	03-363/08:14:12.5		Deletes the designated file.: d:/dat/056_doy363_pass02_file13.dat	FILE_DELETE	03-363/08:05:09.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7240	M1O	03-363/08:14:13.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/08:05:10.9
7241	M1O	03-363/08:14:14.6		Deletes the designated file.: d:/dat/056_doy363_pass02_file14.dat	FILE_DELETE	03-363/08:05:11.9
7242	M1O	03-363/08:14:15.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/08:05:13.0
7243	M1O	03-363/08:14:16.7		Deletes the designated file.: d:/dat/056_doy363_pass02_file15.dat	FILE_DELETE	03-363/08:05:14.0
7244	M1O	03-363/08:14:17.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/08:05:15.1
7245	M1O	03-363/08:14:18.8		Deletes the designated file.: d:/dat/056_doy363_pass02_file16.dat	FILE_DELETE	03-363/08:05:16.1
7246	M1O	03-363/08:14:19.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/08:05:17.2
7247	M1O	03-363/08:14:20.9		Deletes the designated file.: d:/dat/056_doy363_pass02_file17.dat	FILE_DELETE	03-363/08:05:18.2
7248	M1O	03-363/08:14:22.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/08:05:19.3
7249	M1O	03-363/08:14:23.0		Deletes the designated file.: d:/dat/056_doy363_pass02_file18.dat	FILE_DELETE	03-363/08:05:20.3
7250	M1O	03-363/08:14:24.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/08:05:21.4
7251	M1O	03-363/08:14:25.1		Deletes the designated file.: d:/dat/056_doy363_pass02_file19.dat	FILE_DELETE	03-363/08:05:22.4
7252	M1O	03-363/08:14:26.1		CALL, Engine = , Parameters = 56	get_apid	03-363/08:05:23.4
7253	M1O	03-363/08:14:27.2		CALL, Engine = , Parameters = 56	get_rcv_mode	03-363/08:05:24.5
7254	M1O	03-363/08:14:27.4		CALL, Engine = , Parameters = 56	get_dl_rate	03-363/08:05:24.7
7255	M1O	03-363/08:14:28.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-363/08:05:25.8
7256	M1O	03-363/08:14:29.7		CALL, Engine = , Parameters = 56	get_coding	03-363/08:05:27.0
7257	M1O	03-363/08:14:30.9		CALL, Engine = , Parameters = 56	get_xmt_mode	03-363/08:05:28.2
7258	M1O	03-363/08:14:32.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-363/08:05:29.4
7259	M1O	03-363/08:15:36.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-363/08:06:34.2
7260	M1O	03-363/08:15:37.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-363/08:06:35.2
7261	M1O	03-363/08:15:38.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-363/08:06:36.2
7262	M1O	03-363/08:15:39.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-363/08:06:37.2
7263	M1O	03-363/08:15:40.9		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-363/08:06:38.2
7264	M1O	03-363/08:15:41.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-363/08:06:39.2
7265	M1O	03-363/08:15:42.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/08:06:40.2
7266	M1O	03-363/08:16:32.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/08:07:30.2
7267	M1O	03-363/08:16:42.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-363/08:07:40.2
7268	M1O	03-363/08:16:46.7		NOTE: EXIT HGA KEEP OUT ZONE		
7269	M1O	03-363/08:18:43.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/08:09:41.2
7270	M1O	03-363/08:18:44.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/08:09:42.2
7271	M1O	03-363/08:20:43.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/08:11:41.2
7272	M1O	03-363/08:20:44.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/08:11:42.2
7273	M1O	03-363/08:22:43.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/08:13:41.2
7274	M1O	03-363/08:22:44.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/08:13:42.2
7275	M1O	03-363/08:24:18.5		NOTE: Exit Earth Occultation 9047		03-363/08:15:15.7
7276	M1O	03-363/08:24:18.5	43	Acquisition Of X-Band Signal		
7277	M1O	03-363/08:24:18.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7278	M1O	03-363/08:24:43.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/08:15:41.2
7279	M1O	03-363/08:24:44.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/08:15:42.2
7280	M1O	03-363/08:25:48.6		NOTE: Exit Planetary Atmosphere 9047		03-363/08:16:45.8
7281	M1O	03-363/08:26:44.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/08:17:41.2
7282	M1O	03-363/08:26:45.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/08:17:42.2
7283	M1O	03-363/08:28:44.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/08:19:41.2
7284	M1O	03-363/08:28:45.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/08:19:42.2
7285	M1O	03-363/08:29:18.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-363/08:20:15.8
7286	M1O	03-363/08:29:18.6	43	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7287	M1O	03-363/08:29:19.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/08:20:16.8
7288	M1O	03-363/08:29:19.6	43	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7289	M1O	03-363/08:29:19.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-363/08:20:16.8
7290	M1O	03-363/08:30:44.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/08:21:41.2
7291	M1O	03-363/08:30:45.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/08:21:42.2
7292	M1O	03-363/08:32:44.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/08:23:41.2
7293	M1O	03-363/08:32:45.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/08:23:42.2
7294	M1O	03-363/08:34:44.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/08:25:41.2
7295	M1O	03-363/08:34:45.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/08:25:42.2
7296	M1O	03-363/08:35:39.6		NOTE: Descending Node Crossing 9048		03-363/08:26:36.7
7297	M1O	03-363/08:36:44.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/08:27:41.2
7298	M1O	03-363/08:36:45.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/08:27:42.2
7299	M1O	03-363/08:38:44.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/08:29:41.2
7300	M1O	03-363/08:38:45.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/08:29:42.2
7301	M1O	03-363/08:40:44.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/08:31:41.2
7302	M1O	03-363/08:40:45.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/08:31:42.2
7303	M1O	03-363/08:42:44.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/08:33:41.2
7304	M1O	03-363/08:42:45.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/08:33:42.2
7305	M1O	03-363/08:44:44.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/08:35:41.2
7306	M1O	03-363/08:44:45.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/08:35:42.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7307	M1O	03-363/08:46:44.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/08:37:41.2
7308	M1O	03-363/08:46:45.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/08:37:42.2
7309	M1O	03-363/08:47:41.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/08:38:38.2
7310	M1O	03-363/08:47:42.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-363/08:38:39.3
7311	M1O	03-363/08:47:52.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-363/08:38:49.3
7312	M1O	03-363/08:47:53.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-363/08:38:50.3
7313	M1O	03-363/08:47:54.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-363/08:38:51.3
7314	M1O	03-363/08:47:54.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7315	M1O	03-363/08:47:55.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-363/08:38:52.3
7316	M1O	03-363/08:52:53.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-363/08:43:51.0
7317	M1O	03-363/08:52:53.8	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7318	M1O	03-363/09:05:00.6		NOTE: South Pole Crossing 9048		03-363/08:55:57.7
7319	M1O	03-363/09:06:34.7		NOTE: Periapsis 9048 ----------		03-363/08:57:31.7
7320	M1O	03-363/09:33:29.0		NOTE: Enter Solar Eclipse 9048		03-363/09:24:26.0
7321	M1O	03-363/09:34:17.7		NOTE: Ascending Node Crossing 9048		03-363/09:25:14.7
7322	M1O	03-363/09:46:09.0		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-363/09:37:06.0
7323	M1O	03-363/09:46:24.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-361T09:37:06.100, 2003-363T09:37:06.100	PCKTS_RE_TX_TIME	03-363/09:37:21.8
7324	M1O	03-363/09:46:25.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-361T09:37:06.100, 2003-363T09:37:06.100	PCKTS_RE_TX_TIME	03-363/09:37:22.8
7325	M1O	03-363/09:46:26.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-361T09:37:06.100, 2003-363T09:37:06.100	PCKTS_RE_TX_TIME	03-363/09:37:23.8
7326	M1O	03-363/09:46:27.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-361T09:37:06.100, 2003-363T09:37:06.100	PCKTS_RE_TX_TIME	03-363/09:37:24.8
7327	M1O	03-363/09:46:28.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-361T09:37:06.100, 2003-363T09:37:06.100	PCKTS_RE_TX_TIME	03-363/09:37:25.8
7328	M1O	03-363/09:46:29.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-361T09:37:06.100, 2003-363T09:37:06.100	PCKTS_RE_TX_TIME	03-363/09:37:26.8
7329	M1O	03-363/09:46:29.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-363/09:37:26.8
7330	M1O	03-363/09:46:29.8	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7331	M1O	03-363/09:53:30.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/09:44:27.8
7332	M1O	03-363/09:53:30.8	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7333	M1O	03-363/09:53:31.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-363/09:44:28.8
7334	M1O	03-363/09:53:47.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-363/09:44:44.8
7335	M1O	03-363/09:53:47.8	43	D/L RF Warning: SC antenna change - expect signal level variation		
7336	M1O	03-363/09:53:48.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-363/09:44:45.8
7337	M1O	03-363/09:54:19.0		NOTE: ENTER HGA KEEP OUT ZONE		
7338	M1O	03-363/09:54:19.0	43	NOTE: Loss Of X-Band Signal		
7339	M1O	03-363/09:55:19.9		NOTE: Exit Solar Eclipse 9048		03-363/09:46:16.8
7340	M1O	03-363/10:01:49.8		NOTE: Enter Planetary Atmosphere 9048		03-363/09:52:46.7
7341	M1O	03-363/10:03:18.9		NOTE: Enter Earth Occultation 9048		03-363/09:54:15.8
7342	M1O	03-363/10:04:11.8		NOTE: North Pole Crossing 9048		03-363/09:55:08.7
7343	M1O	03-363/10:06:34.5		NOTE: Apoapsis 9048 -		03-363/09:57:31.4
7344	M1O	03-363/10:15:19.1		NOTE: EXIT HGA KEEP OUT ZONE		
7345	M1O	03-363/10:22:49.6		NOTE: Exit Earth Occultation 9048		03-363/10:13:46.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7346	M1O	03-363/10:22:49.6	43	Acquisition Of X-Band Signal		
7347	M1O	03-363/10:22:49.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7348	M1O	03-363/10:24:19.6		NOTE: Exit Planetary Atmosphere 9048		03-363/10:15:16.5
7349	M1O	03-363/10:30:00.0	43	End Tracking		
7350	M1O	03-363/10:34:09.9		NOTE: Descending Node Crossing 9049		03-363/10:25:06.7
7351	M1O	03-363/10:45:00.0	43	End Post-Cal		
7352	M1O	03-363/11:03:31.6		NOTE: South Pole Crossing 9049		03-363/10:54:28.3
7353	M1O	03-363/11:04:57.3		NOTE: Periapsis 9049 ----------		03-363/10:55:54.0
7354	M1O	03-363/11:15:00.0	63	Begin Pre-Cal		
7355	M1O	03-363/11:15:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
7356	M1O	03-363/11:15:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
7357	M1O	03-363/11:15:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
7358	M1O	03-363/11:15:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
7359	M1O	03-363/11:15:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
7360	M1O	03-363/11:15:00.0	63	Config: RCV: Parms:		
7361	M1O	03-363/11:15:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
7362	M1O	03-363/11:15:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
7363	M1O	03-363/11:15:00.0	63	Config: TXL		
7364	M1O	03-363/11:15:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
7365	M1O	03-363/11:15:00.0	63	Config: CMD		
7366	M1O	03-363/11:15:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
7367	M1O	03-363/11:32:02.3		NOTE: Enter Solar Eclipse 9049		03-363/11:22:58.9
7368	M1O	03-363/11:32:49.8		NOTE: Ascending Node Crossing 9049		03-363/11:23:46.4
7369	M1O	03-363/11:52:49.4		NOTE: ENTER HGA KEEP OUT ZONE		
7370	M1O	03-363/11:53:47.9		NOTE: Exit Solar Eclipse 9049		03-363/11:44:44.4
7371	M1O	03-363/12:00:27.4		NOTE: Enter Planetary Atmosphere 9049		03-363/11:51:24.0
7372	M1O	03-363/12:01:57.3		NOTE: Enter Earth Occultation 9049		03-363/11:52:53.8
7373	M1O	03-363/12:02:44.6		NOTE: North Pole Crossing 9049		03-363/11:53:41.1
7374	M1O	03-363/12:05:14.9		NOTE: Apoapsis 9049 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7393	M1O	03-363/12:57:48.0	63	NOTE: Above Uplink Interlock Limit		
7394	M1O	03-363/13:00:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7395	M1O	03-363/13:02:05.6		NOTE: South Pole Crossing 9050		03-363/12:53:02.0
7396	M1O	03-363/13:03:37.4		NOTE: Periapsis 9050 ----------		03-363/12:54:33.7
7397	M1O	03-363/13:05:00.0	63	Range Modulation On: SUP=3.0dB		
7398	M1O	03-363/13:06:00.0	63	Begin Ranging Acquisition		
7399	M1O	03-363/13:17:05.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-363/13:08:01.3
7400	M1O	03-363/13:17:07.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/13:08:03.4
7401	M1O	03-363/13:17:07.1	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7402	M1O	03-363/13:17:08.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-363/13:08:04.4
7403	M1O	03-363/13:18:07.2	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7404	M1O	03-363/13:18:35.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
7405	M1O	03-363/13:23:07.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-363/13:14:03.4
7406	M1O	03-363/13:23:07.1	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7407	M1O	03-363/13:23:08.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-363/13:14:04.4
7408	M1O	03-363/13:28:35.0	63	Range Modulation Off		
7409	M1O	03-363/13:30:36.9		NOTE: Enter Solar Eclipse 9050		03-363/13:21:33.1
7410	M1O	03-363/13:31:24.3		NOTE: Ascending Node Crossing 9050		03-363/13:22:20.6
7411	M1O	03-363/13:33:35.0	63	X-Band Transmitter Off		
7412	M1O	03-363/13:50:40.1		SPAWN, Engine = 65535, Parameters = 3, 00:34:39, 1	dpt	03-363/13:41:36.3
7413	M1O	03-363/13:50:42.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/13:41:38.4
7414	M1O	03-363/13:50:42.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7415	M1O	03-363/13:50:43.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-363/13:41:39.4
7416	M1O	03-363/13:51:42.4	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7417	M1O	03-363/13:51:43.7		NOTE: ENTER HGA KEEP OUT ZONE		
7418	M1O	03-363/13:51:43.7	63	NOTE: Loss Of X-Band Signal		
7419	M1O	03-363/13:52:17.8		NOTE: Exit Solar Eclipse 9050		03-363/13:43:14.0
7420	M1O	03-363/13:59:08.8		NOTE: Enter Planetary Atmosphere 9050		03-363/13:50:05.0
7421	M1O	03-363/14:00:39.3		NOTE: Enter Earth Occultation 9050		03-363/13:51:35.5
7422	M1O	03-363/14:01:20.4		NOTE: North Pole Crossing 9050		03-363/13:52:16.6
7423	M1O	03-363/14:02:14.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7424	M1O	03-363/14:03:46.7		NOTE: Apoapsis 9050 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
7436	M1O	03-363/14:31:20.6		NOTE: Descending Node Crossing 9051		03-363/14:22:16.6
7437	M1O	03-363/15:00:42.7		NOTE: South Pole Crossing 9051		03-363/14:51:38.7
7438	M1O	03-363/15:02:17.2		NOTE: Periapsis 9051 ----------		03-363/14:53:13.2
7439	M1O	03-363/15:17:11.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
7440	M1O	03-363/15:27:11.0	63	Range Modulation Off		
7441	M1O	03-363/15:29:12.8		NOTE: Enter Solar Eclipse 9051		03-363/15:20:08.7
7442	M1O	03-363/15:30:00.9		NOTE: Ascending Node Crossing 9051		03-363/15:20:56.8
7443	M1O	03-363/15:32:11.0	63	X-Band Transmitter Off		
7444	M1O	03-363/15:49:16.5		SPAWN, Engine = 65535, Parameters = 3, 00:34:39, 1	dpt	03-363/15:40:12.3
7445	M1O	03-363/15:49:18.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/15:40:14.4
7446	M1O	03-363/15:49:18.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7447	M1O	03-363/15:49:19.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-363/15:40:15.4
7448	M1O	03-363/15:50:19.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7449	M1O	03-363/15:50:20.1		NOTE: ENTER HGA KEEP OUT ZONE		
7450	M1O	03-363/15:50:20.1	63	NOTE: Loss Of X-Band Signal		
7451	M1O	03-363/15:50:52.6		NOTE: Exit Solar Eclipse 9051		03-363/15:41:48.4
7452	M1O	03-363/15:57:47.0		NOTE: Enter Planetary Atmosphere 9051		03-363/15:48:42.8
7453	M1O	03-363/15:59:17.7		NOTE: Enter Earth Occultation 9051		03-363/15:50:13.5
7454	M1O	03-363/15:59:57.3		NOTE: North Pole Crossing 9051		03-363/15:50:53.1
7455	M1O	03-363/16:00:50.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7456	M1O	03-363/16:02:12.9		NOTE: Apoapsis 9051 -		03-363/15:53:08.7
7457	M1O	03-363/16:05:50.0	63	Range Modulation On: SUP=3.0dB		
7458	M1O	03-363/16:06:50.0	63	Begin Ranging Acquisition		
7459	M1O	03-363/16:11:00.2		NOTE: EXIT HGA KEEP OUT ZONE		
7460	M1O	03-363/16:18:26.3		NOTE: Exit Earth Occultation 9051		03-363/16:09:22.0
7461	M1O	03-363/16:18:26.3	63	Acquisition Of X-Band Signal		
7462	M1O	03-363/16:18:26.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7463	M1O	03-363/16:18:58.3	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7464	M1O	03-363/16:19:57.9		NOTE: Exit Planetary Atmosphere 9051		03-363/16:10:53.7
7465	M1O	03-363/16:23:57.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-363/16:14:53.4
7466	M1O	03-363/16:23:57.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7467	M1O	03-363/16:23:58.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-363/16:14:54.4
7468	M1O	03-363/16:29:57.7		NOTE: Descending Node Crossing 9052		03-363/16:20:53.4
7469	M1O	03-363/16:59:19.9		NOTE: South Pole Crossing 9052		03-363/16:50:15.5
7470	M1O	03-363/17:00:49.9		NOTE: Periapsis 9052 ----------		03-363/16:51:45.5
7471	M1O	03-363/17:15:48.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
7472	M1O	03-363/17:25:48.0	63	Range Modulation Off		
7473	M1O	03-363/17:27:49.7		NOTE: Enter Solar Eclipse 9052		03-363/17:18:45.3
7474	M1O	03-363/17:28:38.0		NOTE: Ascending Node Crossing 9052		03-363/17:19:33.6
7475	M1O	03-363/17:30:48.0	63	X-Band Transmitter Off		
7476	M1O	03-363/17:47:53.8		SPAWN, Engine = 65535, Parameters = 3, 00:34:38.898, 1	dpt	03-363/17:38:49.3
7477	M1O	03-363/17:47:55.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/17:38:51.4
7478	M1O	03-363/17:47:55.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7479	M1O	03-363/17:47:56.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-363/17:38:52.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7480	M1O	03-363/17:48:56.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7481	M1O	03-363/17:48:57.5		NOTE: ENTER HGA KEEP OUT ZONE		
7482	M1O	03-363/17:48:57.5	63	NOTE: Loss Of X-Band Signal		
7483	M1O	03-363/17:49:30.7		NOTE: Exit Solar Eclipse 9052		03-363/17:40:26.2
7484	M1O	03-363/17:56:20.3		NOTE: Enter Planetary Atmosphere 9052		03-363/17:47:15.7
7485	M1O	03-363/17:57:50.5		NOTE: Enter Earth Occultation 9052		03-363/17:48:46.0
7486	M1O	03-363/17:58:33.7		NOTE: North Pole Crossing 9052		03-363/17:49:29.1
7487	M1O	03-363/17:59:28.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7488	M1O	03-363/18:00:36.3		NOTE: Apoapsis 9052 -		03-363/17:51:31.7
7489	M1O	03-363/18:04:28.0	63	Range Modulation On: SUP=3.0dB		
7490	M1O	03-363/18:05:28.0	63	Begin Ranging Acquisition		
7491	M1O	03-363/18:09:37.5		NOTE: EXIT HGA KEEP OUT ZONE		
7492	M1O	03-363/18:17:04.5		NOTE: Exit Earth Occultation 9052		03-363/18:07:59.8
7493	M1O	03-363/18:17:04.5	63	Acquisition Of X-Band Signal		
7494	M1O	03-363/18:17:04.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7495	M1O	03-363/18:17:37.1	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7496	M1O	03-363/18:18:35.7		NOTE: Exit Planetary Atmosphere 9052		03-363/18:09:31.0
7497	M1O	03-363/18:22:35.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-363/18:13:30.3
7498	M1O	03-363/18:22:35.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7499	M1O	03-363/18:22:36.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-363/18:13:31.3
7500	M1O	03-363/18:28:33.1		NOTE: Descending Node Crossing 9053		03-363/18:19:28.5
7501	M1O	03-363/18:57:55.3		NOTE: South Pole Crossing 9053		03-363/18:48:50.5
7502	M1O	03-363/18:59:29.0		NOTE: Periapsis 9053 ----------		03-363/18:50:24.3
7503	M1O	03-363/19:14:22.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
7504	M1O	03-363/19:21:38.8		SPAWN, Engine = 65535, Parameters = 363, 03, TRUE, 00:16:33.754, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-363/19:12:34.0
7505	M1O	03-363/19:21:39.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/19:12:34.5
7506	M1O	03-363/19:21:39.3	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7507	M1O	03-363/19:21:39.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-363/19:12:35.1
7508	M1O	03-363/19:21:41.9		CALL, Engine = , Parameters = 56	get_cmd_opt	03-363/19:12:37.1
7509	M1O	03-363/19:21:42.2		CALL, Engine = , Parameters = 363, 03, 056	bld_autosw	03-363/19:12:37.4
7510	M1O	03-363/19:21:43.3		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-363/19:12:38.5
7511	M1O	03-363/19:21:44.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/19:12:39.6
7512	M1O	03-363/19:21:45.4		Deletes the designated file.: d:/dat/056_doy363_pass03_file01.dat	FILE_DELETE	03-363/19:12:40.6
7513	M1O	03-363/19:21:46.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/19:12:41.7
7514	M1O	03-363/19:21:47.5		Deletes the designated file.: d:/dat/056_doy363_pass03_file02.dat	FILE_DELETE	03-363/19:12:42.7
7515	M1O	03-363/19:21:48.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/19:12:43.8
7516	M1O	03-363/19:21:49.6		Deletes the designated file.: d:/dat/056_doy363_pass03_file03.dat	FILE_DELETE	03-363/19:12:44.8
7517	M1O	03-363/19:21:50.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/19:12:45.9
7518	M1O	03-363/19:21:51.7		Deletes the designated file.: d:/dat/056_doy363_pass03_file04.dat	FILE_DELETE	03-363/19:12:46.9
7519	M1O	03-363/19:21:52.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/19:12:48.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7520	M1O	03-363/19:21:53.8		Deletes the designated file.: d:/dat/056_doy363_pass03_file05.dat	FILE_DELETE	03-363/19:12:49.0
7521	M1O	03-363/19:21:54.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/19:12:50.1
7522	M1O	03-363/19:21:55.9		Deletes the designated file.: d:/dat/056_doy363_pass03_file06.dat	FILE_DELETE	03-363/19:12:51.1
7523	M1O	03-363/19:21:57.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/19:12:52.2
7524	M1O	03-363/19:21:58.0		Deletes the designated file.: d:/dat/056_doy363_pass03_file07.dat	FILE_DELETE	03-363/19:12:53.2
7525	M1O	03-363/19:21:59.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/19:12:54.3
7526	M1O	03-363/19:22:00.1		Deletes the designated file.: d:/dat/056_doy363_pass03_file08.dat	FILE_DELETE	03-363/19:12:55.3
7527	M1O	03-363/19:22:01.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/19:12:56.4
7528	M1O	03-363/19:22:02.2		Deletes the designated file.: d:/dat/056_doy363_pass03_file09.dat	FILE_DELETE	03-363/19:12:57.4
7529	M1O	03-363/19:22:03.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/19:12:58.5
7530	M1O	03-363/19:22:04.3		Deletes the designated file.: d:/dat/056_doy363_pass03_file10.dat	FILE_DELETE	03-363/19:12:59.5
7531	M1O	03-363/19:22:05.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/19:13:00.6
7532	M1O	03-363/19:22:06.4		Deletes the designated file.: d:/dat/056_doy363_pass03_file11.dat	FILE_DELETE	03-363/19:13:01.6
7533	M1O	03-363/19:22:07.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/19:13:02.7
7534	M1O	03-363/19:22:08.5		Deletes the designated file.: d:/dat/056_doy363_pass03_file12.dat	FILE_DELETE	03-363/19:13:03.7
7535	M1O	03-363/19:22:09.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/19:13:04.8
7536	M1O	03-363/19:22:10.6		Deletes the designated file.: d:/dat/056_doy363_pass03_file13.dat	FILE_DELETE	03-363/19:13:05.8
7537	M1O	03-363/19:22:11.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/19:13:06.9
7538	M1O	03-363/19:22:12.7		Deletes the designated file.: d:/dat/056_doy363_pass03_file14.dat	FILE_DELETE	03-363/19:13:07.9
7539	M1O	03-363/19:22:13.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/19:13:09.0
7540	M1O	03-363/19:22:14.8		Deletes the designated file.: d:/dat/056_doy363_pass03_file15.dat	FILE_DELETE	03-363/19:13:10.0
7541	M1O	03-363/19:22:15.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/19:13:11.1
7542	M1O	03-363/19:22:16.9		Deletes the designated file.: d:/dat/056_doy363_pass03_file16.dat	FILE_DELETE	03-363/19:13:12.1
7543	M1O	03-363/19:22:18.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/19:13:13.2
7544	M1O	03-363/19:22:19.0		Deletes the designated file.: d:/dat/056_doy363_pass03_file17.dat	FILE_DELETE	03-363/19:13:14.2
7545	M1O	03-363/19:22:20.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/19:13:15.3
7546	M1O	03-363/19:22:21.1		Deletes the designated file.: d:/dat/056_doy363_pass03_file18.dat	FILE_DELETE	03-363/19:13:16.3
7547	M1O	03-363/19:22:22.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/19:13:17.4
7548	M1O	03-363/19:22:23.2		Deletes the designated file.: d:/dat/056_doy363_pass03_file19.dat	FILE_DELETE	03-363/19:13:18.4
7549	M1O	03-363/19:22:24.2		CALL, Engine = , Parameters = 56	get_apid	03-363/19:13:19.4
7550	M1O	03-363/19:22:25.3		CALL, Engine = , Parameters = 56	get_rcv_mode	03-363/19:13:20.5
7551	M1O	03-363/19:22:25.5		CALL, Engine = , Parameters = 56	get_dl_rate	03-363/19:13:20.7
7552	M1O	03-363/19:22:26.6		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-363/19:13:21.8
7553	M1O	03-363/19:22:27.8		CALL, Engine = , Parameters = 56	get_coding	03-363/19:13:23.0
7554	M1O	03-363/19:22:29.0		CALL, Engine = , Parameters = 56	get_xmt_mode	03-363/19:13:24.2
7555	M1O	03-363/19:22:30.2		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-363/19:13:25.4
7556	M1O	03-363/19:23:35.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-363/19:14:30.2
7557	M1O	03-363/19:23:36.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-363/19:14:31.2
7558	M1O	03-363/19:23:37.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-363/19:14:32.2
7559	M1O	03-363/19:23:38.0		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-363/19:14:33.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7560	M1O	03-363/19:23:39.0		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-363/19:14:34.2
7561	M1O	03-363/19:23:40.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-363/19:14:35.2
7562	M1O	03-363/19:23:41.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/19:14:36.2
7563	M1O	03-363/19:24:22.0	63	Range Modulation Off		
7564	M1O	03-363/19:24:31.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/19:15:26.2
7565	M1O	03-363/19:24:41.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-363/19:15:36.2
7566	M1O	03-363/19:26:24.4		NOTE: Enter Solar Eclipse 9053		03-363/19:17:19.6
7567	M1O	03-363/19:26:42.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/19:17:37.2
7568	M1O	03-363/19:26:43.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/19:17:38.2
7569	M1O	03-363/19:27:13.3		NOTE: Ascending Node Crossing 9053		03-363/19:18:08.5
7570	M1O	03-363/19:28:42.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/19:19:37.2
7571	M1O	03-363/19:28:43.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/19:19:38.2
7572	M1O	03-363/19:29:22.0	63	X-Band Transmitter Off		
7573	M1O	03-363/19:30:42.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/19:21:37.2
7574	M1O	03-363/19:30:43.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/19:21:38.2
7575	M1O	03-363/19:32:42.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/19:23:37.2
7576	M1O	03-363/19:32:43.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/19:23:38.2
7577	M1O	03-363/19:34:42.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/19:25:37.2
7578	M1O	03-363/19:34:43.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/19:25:38.2
7579	M1O	03-363/19:36:42.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/19:27:37.2
7580	M1O	03-363/19:36:43.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/19:27:38.2
7581	M1O	03-363/19:38:42.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/19:29:37.2
7582	M1O	03-363/19:38:43.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/19:29:38.2
7583	M1O	03-363/19:40:12.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/19:31:07.9
7584	M1O	03-363/19:40:13.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-363/19:31:09.0
7585	M1O	03-363/19:40:23.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-363/19:31:19.0
7586	M1O	03-363/19:40:24.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-363/19:31:20.0
7587	M1O	03-363/19:40:25.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-363/19:31:21.0
7588	M1O	03-363/19:40:25.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7589	M1O	03-363/19:40:26.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-363/19:31:22.0
7590	M1O	03-363/19:45:25.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-363/19:36:20.7
7591	M1O	03-363/19:45:25.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7592	M1O	03-363/19:46:29.3		SPAWN, Engine = 65535, Parameters = 3, 00:34:41, 1	dpt	03-363/19:37:24.4
7593	M1O	03-363/19:46:31.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/19:37:26.5
7594	M1O	03-363/19:46:31.4	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7595	M1O	03-363/19:46:32.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-363/19:37:27.5
7596	M1O	03-363/19:47:31.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7597	M1O	03-363/19:47:32.8		NOTE: ENTER HGA KEEP OUT ZONE		
7598	M1O	03-363/19:47:32.8	63	NOTE: Loss Of X-Band Signal		
7599	M1O	03-363/19:48:08.9		NOTE: Exit Solar Eclipse 9053		03-363/19:39:04.0
7600	M1O	03-363/19:54:49.3		NOTE: Enter Planetary Atmosphere 9053		03-363/19:45:44.4
7601	M1O	03-363/19:56:19.0		NOTE: Enter Earth Occultation 9053		03-363/19:47:14.1
7602	M1O	03-363/19:57:07.8		NOTE: North Pole Crossing 9053		03-363/19:48:02.9
7603	M1O	03-363/19:58:03.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7604	M1O	03-363/19:59:19.1		NOTE: Apoapsis 9053 -		03-363/19:50:14.2
7605	M1O	03-363/20:03:03.0	63	Range Modulation On: SUP=3.0dB		
7606	M1O	03-363/20:04:03.0	63	Begin Ranging Acquisition		
7607	M1O	03-363/20:08:12.9		NOTE: EXIT HGA KEEP OUT ZONE		
7608	M1O	03-363/20:15:40.7		NOTE: Exit Earth Occultation 9053		03-363/20:06:35.7
7609	M1O	03-363/20:15:40.7	63	Acquisition Of X-Band Signal		
7610	M1O	03-363/20:15:40.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7611	M1O	03-363/20:16:12.8	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7612	M1O	03-363/20:17:11.3		NOTE: Exit Planetary Atmosphere 9053		03-363/20:08:06.3
7613	M1O	03-363/20:21:12.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-363/20:12:07.5
7614	M1O	03-363/20:21:12.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7615	M1O	03-363/20:21:13.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-363/20:12:08.5
7616	M1O	03-363/20:27:06.1		NOTE: Descending Node Crossing 9054		03-363/20:18:01.1
7617	M1O	03-363/20:56:27.7		NOTE: South Pole Crossing 9054		03-363/20:47:22.6
7618	M1O	03-363/20:58:02.6		NOTE: Periapsis 9054 ----------		03-363/20:48:57.5
7619	M1O	03-363/21:12:35.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
7620	M1O	03-363/21:18:27.1		SPAWN, Engine = 65535, Parameters = 363, 04, TRUE, 00:17:31.898, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-363/21:09:22.0
7621	M1O	03-363/21:18:27.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/21:09:22.5
7622	M1O	03-363/21:18:27.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7623	M1O	03-363/21:18:28.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-363/21:09:23.1
7624	M1O	03-363/21:18:30.2		CALL, Engine = , Parameters = 56	get_cmd_opt	03-363/21:09:25.1
7625	M1O	03-363/21:18:30.5		CALL, Engine = , Parameters = 363, 04, 056	bld_autosw	03-363/21:09:25.4
7626	M1O	03-363/21:18:31.6		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-363/21:09:26.5
7627	M1O	03-363/21:18:32.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/21:09:27.6
7628	M1O	03-363/21:18:33.7		Deletes the designated file.: d:/dat/056_doy363_pass04_file01.dat	FILE_DELETE	03-363/21:09:28.6
7629	M1O	03-363/21:18:34.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/21:09:29.7
7630	M1O	03-363/21:18:35.8		Deletes the designated file.: d:/dat/056_doy363_pass04_file02.dat	FILE_DELETE	03-363/21:09:30.7
7631	M1O	03-363/21:18:36.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/21:09:31.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7632	M1O	03-363/21:18:37.9		Deletes the designated file.: d:/dat/056_doy363_pass04_file03.dat	FILE_DELETE	03-363/21:09:32.8
7633	M1O	03-363/21:18:39.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/21:09:33.9
7634	M1O	03-363/21:18:40.0		Deletes the designated file.: d:/dat/056_doy363_pass04_file04.dat	FILE_DELETE	03-363/21:09:34.9
7635	M1O	03-363/21:18:41.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/21:09:36.0
7636	M1O	03-363/21:18:42.1		Deletes the designated file.: d:/dat/056_doy363_pass04_file05.dat	FILE_DELETE	03-363/21:09:37.0
7637	M1O	03-363/21:18:43.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/21:09:38.1
7638	M1O	03-363/21:18:44.2		Deletes the designated file.: d:/dat/056_doy363_pass04_file06.dat	FILE_DELETE	03-363/21:09:39.1
7639	M1O	03-363/21:18:45.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/21:09:40.2
7640	M1O	03-363/21:18:46.3		Deletes the designated file.: d:/dat/056_doy363_pass04_file07.dat	FILE_DELETE	03-363/21:09:41.2
7641	M1O	03-363/21:18:47.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/21:09:42.3
7642	M1O	03-363/21:18:48.4		Deletes the designated file.: d:/dat/056_doy363_pass04_file08.dat	FILE_DELETE	03-363/21:09:43.3
7643	M1O	03-363/21:18:49.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/21:09:44.4
7644	M1O	03-363/21:18:50.5		Deletes the designated file.: d:/dat/056_doy363_pass04_file09.dat	FILE_DELETE	03-363/21:09:45.4
7645	M1O	03-363/21:18:51.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/21:09:46.5
7646	M1O	03-363/21:18:52.6		Deletes the designated file.: d:/dat/056_doy363_pass04_file10.dat	FILE_DELETE	03-363/21:09:47.5
7647	M1O	03-363/21:18:53.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/21:09:48.6
7648	M1O	03-363/21:18:54.7		Deletes the designated file.: d:/dat/056_doy363_pass04_file11.dat	FILE_DELETE	03-363/21:09:49.6
7649	M1O	03-363/21:18:55.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/21:09:50.7
7650	M1O	03-363/21:18:56.8		Deletes the designated file.: d:/dat/056_doy363_pass04_file12.dat	FILE_DELETE	03-363/21:09:51.7
7651	M1O	03-363/21:18:57.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/21:09:52.8
7652	M1O	03-363/21:18:58.9		Deletes the designated file.: d:/dat/056_doy363_pass04_file13.dat	FILE_DELETE	03-363/21:09:53.8
7653	M1O	03-363/21:19:00.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/21:09:54.9
7654	M1O	03-363/21:19:01.0		Deletes the designated file.: d:/dat/056_doy363_pass04_file14.dat	FILE_DELETE	03-363/21:09:55.9
7655	M1O	03-363/21:19:02.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/21:09:57.0
7656	M1O	03-363/21:19:03.1		Deletes the designated file.: d:/dat/056_doy363_pass04_file15.dat	FILE_DELETE	03-363/21:09:58.0
7657	M1O	03-363/21:19:04.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/21:09:59.1
7658	M1O	03-363/21:19:05.2		Deletes the designated file.: d:/dat/056_doy363_pass04_file16.dat	FILE_DELETE	03-363/21:10:00.1
7659	M1O	03-363/21:19:06.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/21:10:01.2
7660	M1O	03-363/21:19:07.3		Deletes the designated file.: d:/dat/056_doy363_pass04_file17.dat	FILE_DELETE	03-363/21:10:02.2
7661	M1O	03-363/21:19:08.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/21:10:03.3
7662	M1O	03-363/21:19:09.4		Deletes the designated file.: d:/dat/056_doy363_pass04_file18.dat	FILE_DELETE	03-363/21:10:04.3
7663	M1O	03-363/21:19:10.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy363_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-363/21:10:05.4
7664	M1O	03-363/21:19:11.5		Deletes the designated file.: d:/dat/056_doy363_pass04_file19.dat	FILE_DELETE	03-363/21:10:06.4
7665	M1O	03-363/21:19:12.5		CALL, Engine = , Parameters = 56	get_apid	03-363/21:10:07.4
7666	M1O	03-363/21:19:13.6		CALL, Engine = , Parameters = 56	get_rcv_mode	03-363/21:10:08.5
7667	M1O	03-363/21:19:13.8		CALL, Engine = , Parameters = 56	get_dl_rate	03-363/21:10:08.7
7668	M1O	03-363/21:19:14.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-363/21:10:09.8
7669	M1O	03-363/21:19:16.1		CALL, Engine = , Parameters = 56	get_coding	03-363/21:10:11.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7670	M1O	03-363/21:19:17.3		CALL, Engine = , Parameters = 56	get_xmt_mode	03-363/21:10:12.2
7671	M1O	03-363/21:19:18.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-363/21:10:13.4
7672	M1O	03-363/21:20:23.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-363/21:11:18.2
7673	M1O	03-363/21:20:24.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-363/21:11:19.2
7674	M1O	03-363/21:20:25.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-363/21:11:20.2
7675	M1O	03-363/21:20:26.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-363/21:11:21.2
7676	M1O	03-363/21:20:27.3		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-363/21:11:22.2
7677	M1O	03-363/21:20:28.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-363/21:11:23.2
7678	M1O	03-363/21:20:29.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/21:11:24.2
7679	M1O	03-363/21:21:19.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/21:12:14.2
7680	M1O	03-363/21:21:29.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-363/21:12:24.2
7681	M1O	03-363/21:22:35.0	63	Range Modulation Off		
7682	M1O	03-363/21:23:30.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/21:14:25.2
7683	M1O	03-363/21:23:31.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/21:14:26.2
7684	M1O	03-363/21:24:55.7		NOTE: Enter Solar Eclipse 9054		03-363/21:15:50.5
7685	M1O	03-363/21:25:30.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/21:16:25.2
7686	M1O	03-363/21:25:31.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/21:16:26.2
7687	M1O	03-363/21:25:45.4		NOTE: Ascending Node Crossing 9054		03-363/21:16:40.2
7688	M1O	03-363/21:27:30.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/21:18:25.2
7689	M1O	03-363/21:27:31.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/21:18:26.2
7690	M1O	03-363/21:27:35.0	63	X-Band Transmitter Off		
7691	M1O	03-363/21:29:30.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/21:20:25.2
7692	M1O	03-363/21:29:31.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/21:20:26.2
7693	M1O	03-363/21:31:30.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/21:22:25.2
7694	M1O	03-363/21:31:31.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/21:22:26.2
7695	M1O	03-363/21:33:30.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/21:24:25.2
7696	M1O	03-363/21:33:31.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/21:24:26.2
7697	M1O	03-363/21:35:30.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/21:26:25.2
7698	M1O	03-363/21:35:31.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/21:26:26.2
7699	M1O	03-363/21:37:30.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/21:28:25.2
7700	M1O	03-363/21:37:31.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-363/21:28:26.2
7701	M1O	03-363/21:37:59.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/21:28:54.0
7702	M1O	03-363/21:38:00.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-363/21:28:55.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7703	M1O	03-363/21:38:10.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-363/21:29:05.1
7704	M1O	03-363/21:38:11.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-363/21:29:06.1
7705	M1O	03-363/21:38:12.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-363/21:29:07.1
7706	M1O	03-363/21:38:12.4	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7707	M1O	03-363/21:38:13.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-363/21:29:08.1
7708	M1O	03-363/21:43:12.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-363/21:34:06.8
7709	M1O	03-363/21:43:12.1	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7710	M1O	03-363/21:44:42.7		SPAWN, Engine = 65535, Parameters = 3, 00:35:00, 1	dpt	03-363/21:35:37.4
7711	M1O	03-363/21:44:44.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/21:35:39.5
7712	M1O	03-363/21:44:44.8	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7713	M1O	03-363/21:44:45.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-363/21:35:40.5
7714	M1O	03-363/21:45:45.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7715	M1O	03-363/21:45:46.2		NOTE: ENTER HGA KEEP OUT ZONE		
7716	M1O	03-363/21:45:46.2	63	NOTE: Loss Of X-Band Signal		
7717	M1O	03-363/21:46:41.9		NOTE: Exit Solar Eclipse 9054		03-363/21:37:36.6
7718	M1O	03-363/21:53:19.2		NOTE: Enter Planetary Atmosphere 9054		03-363/21:44:13.9
7719	M1O	03-363/21:54:48.7		NOTE: Enter Earth Occultation 9054		03-363/21:45:43.5
7720	M1O	03-363/21:55:39.6		NOTE: North Pole Crossing 9054		03-363/21:46:34.4
7721	M1O	03-363/21:56:35.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7722	M1O	03-363/21:57:58.6		NOTE: Apoapsis 9054 -		03-363/21:48:53.3
7723	M1O	03-363/22:01:35.0	63	Range Modulation On: SUP=3.0dB		
7724	M1O	03-363/22:02:35.0	63	Begin Ranging Acquisition		
7725	M1O	03-363/22:06:46.3		NOTE: EXIT HGA KEEP OUT ZONE		
7726	M1O	03-363/22:14:12.9		NOTE: Exit Earth Occultation 9054		03-363/22:05:07.5
7727	M1O	03-363/22:14:12.9	63	Acquisition Of X-Band Signal		
7728	M1O	03-363/22:14:12.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7729	M1O	03-363/22:14:45.5	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7730	M1O	03-363/22:15:43.4		NOTE: Exit Planetary Atmosphere 9054		03-363/22:06:38.1
7731	M1O	03-363/22:19:44.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-363/22:10:39.5
7732	M1O	03-363/22:19:44.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7733	M1O	03-363/22:19:45.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-363/22:10:40.5
7734	M1O	03-363/22:25:37.8		NOTE: Descending Node Crossing 9055		03-363/22:16:32.5
7735	M1O	03-363/22:54:58.6		NOTE: South Pole Crossing 9055		03-363/22:45:53.1
7736	M1O	03-363/22:56:18.2		NOTE: Periapsis 9055 ----------		03-363/22:47:12.7
7737	M1O	03-363/23:05:00.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
7738	M1O	03-363/23:15:00.0	63	Range Modulation Off		
7739	M1O	03-363/23:19:05.5		Dummy command to mark beg/end of mini sequences: cz055b, 2003-364T01:50:02.000	START_MINI	03-363/23:10:00.0
7740	M1O	03-363/23:19:15.5		Deletes the designated file.: d:/seq/cz055.abs	FILE_DELETE	03-363/23:10:10.0
7741	M1O	03-363/23:20:00.0	63	X-Band Transmitter Off		
7742	M1O	03-363/23:23:27.1		NOTE: Enter Solar Eclipse 9055		03-363/23:14:21.5
7743	M1O	03-363/23:24:05.5		Assigns a constant integer to a global variable.: GV_SPARE_14, 2	VM_GV_SET_INT	03-363/23:15:00.0
7744	M1O	03-363/23:24:05.5		GV: GV_SPARE_14 = 2		03-363/23:15:00.0
7745	M1O	03-363/23:24:10.5		Assigns a constant integer to a global variable.: GV_SPARE_25, 3	VM_GV_SET_INT	03-363/23:15:05.0
7746	M1O	03-363/23:24:10.5		GV: GV_SPARE_25 = 3		03-363/23:15:05.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7747	M1O	03-363/23:24:15.5		Assigns a constant integer to a global variable.: GV_SPARE_28, 1	VM_GV_SET_INT	03-363/23:15:10.0
7748	M1O	03-363/23:24:15.5		GV: GV_SPARE_28 = 1		03-363/23:15:10.0
7749	M1O	03-363/23:24:15.9		NOTE: Ascending Node Crossing 9055		03-363/23:15:10.3
7750	M1O	03-363/23:26:05.5		SPAWN, Engine = 65535, Parameters = 363, 01, FALSE, 00:27:00, 253, FALSE, 8_KPS, 00:00:00, 00:00:00	uhf	03-363/23:17:00.0
7751	M1O	03-363/23:26:06.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-363/23:17:01.1
7752	M1O	03-363/23:26:08.6		CALL, Engine = , Parameters = 253	get_cmd_opt	03-363/23:17:03.1
7753	M1O	03-363/23:26:48.8	63	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
7754	M1O	03-363/23:26:50.8		CALL, Engine = , Parameters = 253	get_apid	03-363/23:17:45.3
7755	M1O	03-363/23:26:51.9		CALL, Engine = , Parameters = 253	get_rcv_mode	03-363/23:17:46.4
7756	M1O	03-363/23:26:52.1		CALL, Engine = , Parameters = 253	get_dl_rate	03-363/23:17:46.6
7757	M1O	03-363/23:26:53.2		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	03-363/23:17:47.7
7758	M1O	03-363/23:26:54.5		CALL, Engine = , Parameters = 253	get_coding	03-363/23:17:49.0
7759	M1O	03-363/23:26:55.7		CALL, Engine = , Parameters = 253	get_xmt_mode	03-363/23:17:50.2
7760	M1O	03-363/23:26:56.9		CALL, Engine = , Parameters = 253	get_cmd_beacon	03-363/23:17:51.4
7761	M1O	03-363/23:28:01.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-363/23:18:56.2
7762	M1O	03-363/23:28:02.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-363/23:18:57.2
7763	M1O	03-363/23:28:03.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-363/23:18:58.2
7764	M1O	03-363/23:28:04.7		Selects receiving spacecraft ID.: 253	UHF_SC_ID	03-363/23:18:59.2
7765	M1O	03-363/23:28:05.7		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	03-363/23:19:00.2
7766	M1O	03-363/23:28:06.7		Selects the mode in which the UHF receiver is to operate.: UNREL_BIT_STR, 8_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-363/23:19:01.2
7767	M1O	03-363/23:28:07.7		Selects the mode in which the UHF transmitter is to operate.: TONE_BEACON, 8_KPS, PSK, BYPASS_COD, DISABLE	UHF_XMIT_MODE	03-363/23:19:02.2
7768	M1O	03-363/23:29:59.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-363/23:20:54.0
7769	M1O	03-363/23:30:15.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-361T23:20:54.100, 2003-363T23:20:54.100	PCKTS_RE_TX_TIME	03-363/23:21:09.8
7770	M1O	03-363/23:30:16.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-361T23:20:54.100, 2003-363T23:20:54.100	PCKTS_RE_TX_TIME	03-363/23:21:10.8
7771	M1O	03-363/23:30:17.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-361T23:20:54.100, 2003-363T23:20:54.100	PCKTS_RE_TX_TIME	03-363/23:21:11.8
7772	M1O	03-363/23:30:18.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-361T23:20:54.100, 2003-363T23:20:54.100	PCKTS_RE_TX_TIME	03-363/23:21:12.8
7773	M1O	03-363/23:30:19.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-361T23:20:54.100, 2003-363T23:20:54.100	PCKTS_RE_TX_TIME	03-363/23:21:13.8
7774	M1O	03-363/23:30:20.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-361T23:20:54.100, 2003-363T23:20:54.100	PCKTS_RE_TX_TIME	03-363/23:21:14.8
7775	M1O	03-363/23:30:20.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-363/23:21:14.8
7776	M1O	03-363/23:30:20.3	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7777	M1O	03-363/23:31:40.0	63	NOTE: Below Uplink Interlock Limit		
7778	M1O	03-363/23:37:21.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/23:28:15.8
7779	M1O	03-363/23:37:21.3	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7780	M1O	03-363/23:37:22.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-363/23:28:16.8
7781	M1O	03-363/23:37:38.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-363/23:28:32.8
7782	M1O	03-363/23:37:38.3	63	D/L RF Warning: SC antenna change - expect signal level variation		
7783	M1O	03-363/23:37:39.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-363/23:28:33.8
7784	M1O	03-363/23:38:11.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7785	M1O	03-363/23:40:00.0	24	Begin Pre-Cal		
7786	M1O	03-363/23:40:00.0	24	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7787	M1O	03-363/23:40:00.0	24	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
7788	M1O	03-363/23:40:00.0	24	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
7789	M1O	03-363/23:40:00.0	24	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
7790	M1O	03-363/23:40:00.0	24	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
7791	M1O	03-363/23:40:00.0	24	Config: RCV: Parms:		
7792	M1O	03-363/23:40:00.0	24	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
7793	M1O	03-363/23:40:00.0	24	Config: TGC: BAND=X, SR=221200.000000		
7794	M1O	03-363/23:40:00.0	24	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
7795	M1O	03-363/23:44:17.6		NOTE: ENTER HGA KEEP OUT ZONE		
7796	M1O	03-363/23:44:17.6	63	NOTE: Loss Of X-Band Signal		
7797	M1O	03-363/23:45:00.0	63	End Tracking		
7798	M1O	03-363/23:45:08.4		NOTE: Exit Solar Eclipse 9055		03-363/23:36:02.7
7799	M1O	03-363/23:51:55.7		NOTE: Enter Planetary Atmosphere 9055		03-363/23:42:50.0
7800	M1O	03-363/23:53:25.8		NOTE: Enter Earth Occultation 9055		03-363/23:44:20.2
7801	M1O	03-363/23:54:11.4		NOTE: North Pole Crossing 9055		03-363/23:45:05.8
7802	M1O	03-363/23:55:03.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-363/23:45:58.2
7803	M1O	03-363/23:55:04.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-363/23:45:59.3
7804	M1O	03-363/23:55:14.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-363/23:46:09.3
7805	M1O	03-363/23:55:15.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-363/23:46:10.3
7806	M1O	03-363/23:56:09.0		NOTE: Apoapsis 9055 -		03-363/23:47:03.3
7807	M1O	03-364/00:00:00.0	63	End Post-Cal		
7808	M1O	03-364/00:00:00.0		Light Time: OWLT = 09:05, RTLT = 18:11		
7809	M1O	03-364/00:05:17.6		NOTE: EXIT HGA KEEP OUT ZONE		
7810	M1O	03-364/00:12:41.7		NOTE: Exit Earth Occultation 9055		03-364/00:03:36.0
7811	M1O	03-364/00:14:12.9		NOTE: Exit Planetary Atmosphere 9055		03-364/00:05:07.2
7812	M1O	03-364/00:24:10.6		NOTE: Descending Node Crossing 9056		03-364/00:15:04.9
7813	M1O	03-364/00:53:32.0		NOTE: South Pole Crossing 9056		03-364/00:44:26.2
7814	M1O	03-364/00:54:38.7		NOTE: Periapsis 9056 ----------		03-364/00:45:32.8
7815	M1O	03-364/01:09:35.1		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-364/01:00:29.3
7816	M1O	03-364/01:09:35.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/01:00:29.4
7817	M1O	03-364/01:09:36.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-364/01:00:30.4
7818	M1O	03-364/01:09:37.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-364/01:00:31.4
7819	M1O	03-364/01:09:38.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-364/01:00:32.4
7820	M1O	03-364/01:09:39.2		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-364/01:00:33.4
7821	M1O	03-364/01:09:49.2		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-364/01:00:43.4
7822	M1O	03-364/01:09:59.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-364/01:00:53.4
7823	M1O	03-364/01:10:00.0	24	Begin Tracking		
7824	M1O	03-364/01:10:00.0	24	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7825	M1O	03-364/01:10:00.1		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		03-364/01:00:54.3
7826	M1O	03-364/01:10:00.1		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	03-364/01:00:54.3
7827	M1O	03-364/01:10:00.1	24	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7828	M1O	03-364/01:14:59.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-364/01:05:53.4
7829	M1O	03-364/01:15:00.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-364/01:05:54.4
7830	M1O	03-364/01:15:00.3	24	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7831	M1O	03-364/01:15:01.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-364/01:05:55.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7832	M1O	03-364/01:22:03.7		NOTE: Enter Solar Eclipse 9056		03-364/01:12:57.8
7833	M1O	03-364/01:22:50.6		NOTE: Ascending Node Crossing 9056		03-364/01:13:44.6
7834	M1O	03-364/01:25:05.9		SPAWN, Engine = 65535, Parameters = 364, 01, FALSE, 00:27:00, 253, FALSE, 8_KPS, 00:00:00, 00:00:00	uhf	03-364/01:16:00.0
7835	M1O	03-364/01:25:07.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-364/01:16:01.1
7836	M1O	03-364/01:25:09.0		CALL, Engine = , Parameters = 253	get_cmd_opt	03-364/01:16:03.1
7837	M1O	03-364/01:25:51.2		CALL, Engine = , Parameters = 253	get_apid	03-364/01:16:45.3
7838	M1O	03-364/01:25:52.3		CALL, Engine = , Parameters = 253	get_rcv_mode	03-364/01:16:46.4
7839	M1O	03-364/01:25:52.5		CALL, Engine = , Parameters = 253	get_dl_rate	03-364/01:16:46.6
7840	M1O	03-364/01:25:53.6		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	03-364/01:16:47.7
7841	M1O	03-364/01:25:54.9		CALL, Engine = , Parameters = 253	get_coding	03-364/01:16:49.0
7842	M1O	03-364/01:25:56.1		CALL, Engine = , Parameters = 253	get_xmt_mode	03-364/01:16:50.2
7843	M1O	03-364/01:25:57.3		CALL, Engine = , Parameters = 253	get_cmd_beacon	03-364/01:16:51.4
7844	M1O	03-364/01:27:02.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-364/01:17:56.2
7845	M1O	03-364/01:27:03.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-364/01:17:57.2
7846	M1O	03-364/01:27:04.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-364/01:17:58.2
7847	M1O	03-364/01:27:05.1		Selects receiving spacecraft ID.: 253	UHF_SC_ID	03-364/01:17:59.2
7848	M1O	03-364/01:27:06.1		Causes the relay software to start processing canister data.: DISABLE, 45	RELAY_CAN_START	03-364/01:18:00.2
7849	M1O	03-364/01:27:07.1		Selects the mode in which the UHF receiver is to operate.: UNREL_BIT_STR, 8_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-364/01:18:01.2
7850	M1O	03-364/01:27:08.1		Selects the mode in which the UHF transmitter is to operate.: TONE_BEACON, 8_KPS, PSK, BYPASS_COD, DISABLE	UHF_XMIT_MODE	03-364/01:18:02.2
7851	M1O	03-364/01:41:48.9		SPAWN, Engine = 65535, Parameters = 3, 00:34:22.116, 1	dpt	03-364/01:32:43.0
7852	M1O	03-364/01:41:51.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/01:32:45.1
7853	M1O	03-364/01:41:51.0	24	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7854	M1O	03-364/01:41:52.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-364/01:32:46.1
7855	M1O	03-364/01:42:50.9		NOTE: ENTER HGA KEEP OUT ZONE		
7856	M1O	03-364/01:42:50.9	24	NOTE: Loss Of X-Band Signal		
7857	M1O	03-364/01:43:38.6		NOTE: Exit Solar Eclipse 9056		03-364/01:34:32.6
7858	M1O	03-364/01:50:35.3		NOTE: Enter Planetary Atmosphere 9056		03-364/01:41:29.3
7859	M1O	03-364/01:52:06.0		NOTE: Enter Earth Occultation 9056		03-364/01:43:00.0
7860	M1O	03-364/01:52:46.5		NOTE: North Pole Crossing 9056		03-364/01:43:40.5
7861	M1O	03-364/01:54:04.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/01:44:58.2
7862	M1O	03-364/01:54:05.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-364/01:44:59.3
7863	M1O	03-364/01:54:06.0		Assigns a constant integer to a global variable.: GV_SPARE_14, 0	VM_GV_SET_INT	03-364/01:45:00.0
7864	M1O	03-364/01:54:06.0		GV: GV_SPARE_14 = 0		03-364/01:45:00.0
7865	M1O	03-364/01:54:11.0		Assigns a constant integer to a global variable.: GV_SPARE_25, 0	VM_GV_SET_INT	03-364/01:45:05.0
7866	M1O	03-364/01:54:11.0		GV: GV_SPARE_25 = 0		03-364/01:45:05.0
7867	M1O	03-364/01:54:15.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-364/01:45:09.3
7868	M1O	03-364/01:54:16.0		Assigns a constant integer to a global variable.: GV_SPARE_28, 0	VM_GV_SET_INT	03-364/01:45:10.0
7869	M1O	03-364/01:54:16.0		GV: GV_SPARE_28 = 0		03-364/01:45:10.0
7870	M1O	03-364/01:54:16.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-364/01:45:10.3
7871	M1O	03-364/01:54:39.4		NOTE: Apoapsis 9056 -		03-364/01:45:33.4
7872	M1O	03-364/02:03:31.0		NOTE: EXIT HGA KEEP OUT ZONE		
7873	M1O	03-364/02:11:13.1		NOTE: Exit Earth Occultation 9056		03-364/02:02:07.1
7874	M1O	03-364/02:11:13.1	24	Acquisition Of X-Band Signal		
7875	M1O	03-364/02:11:13.1	24	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7876	M1O	03-364/02:12:44.9		NOTE: Exit Planetary Atmosphere 9056		03-364/02:03:38.8
7877	M1O	03-364/02:16:13.2		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	03-364/02:07:07.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
7878	M1O	03-364/02:16:13.2	24	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7879	M1O	03-364/02:16:14.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-364/02:07:08.2
7880	M1O	03-364/02:22:46.0		NOTE: Descending Node Crossing 9057		03-364/02:13:39.9
7881	M1O	03-364/02:35:46.1		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	03-364/02:26:40.0
7882	M1O	03-364/02:35:46.2		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-364/02:26:40.1
7883	M1O	03-364/02:35:47.2		Forces a desaturation of the reaction wheels.	RW_DESAT	03-364/02:26:41.1
7884	M1O	03-364/02:39:09.1		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-364/02:30:03.0
7885	M1O	03-364/02:39:24.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-362T02:30:03.100, 2003-364T02:30:03.100	PCKTS_RE_TX_TIME	03-364/02:30:18.8
7886	M1O	03-364/02:39:25.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-362T02:30:03.100, 2003-364T02:30:03.100	PCKTS_RE_TX_TIME	03-364/02:30:19.8
7887	M1O	03-364/02:39:26.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-362T02:30:03.100, 2003-364T02:30:03.100	PCKTS_RE_TX_TIME	03-364/02:30:20.8
7888	M1O	03-364/02:39:27.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-362T02:30:03.100, 2003-364T02:30:03.100	PCKTS_RE_TX_TIME	03-364/02:30:21.8
7889	M1O	03-364/02:39:28.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-362T02:30:03.100, 2003-364T02:30:03.100	PCKTS_RE_TX_TIME	03-364/02:30:22.8
7890	M1O	03-364/02:39:29.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-362T02:30:03.100, 2003-364T02:30:03.100	PCKTS_RE_TX_TIME	03-364/02:30:23.8
7891	M1O	03-364/02:39:29.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-364/02:30:23.8
7892	M1O	03-364/02:39:29.9	24	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7893	M1O	03-364/02:46:30.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/02:37:24.8
7894	M1O	03-364/02:46:30.9	24	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7895	M1O	03-364/02:46:31.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-364/02:37:25.8
7896	M1O	03-364/02:46:47.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-364/02:37:41.8
7897	M1O	03-364/02:46:47.9	24	D/L RF Warning: SC antenna change - expect signal level variation		
7898	M1O	03-364/02:46:48.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-364/02:37:42.8
7899	M1O	03-364/02:47:17.2		CALL, Engine = , Parameters = FALSE	park_hga	03-364/02:38:11.1
7900	M1O	03-364/02:47:17.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/02:38:11.1
7901	M1O	03-364/02:47:18.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-364/02:38:12.1
7902	M1O	03-364/02:47:19.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-364/02:38:13.1
7903	M1O	03-364/02:47:19.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-364/02:38:13.1
7904	M1O	03-364/02:47:19.2		NOTE: START HGA PARK		
7905	M1O	03-364/02:47:19.2	24	NOTE: Loss Of X-Band Signal		
7906	M1O	03-364/02:47:20.2		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-364/02:38:14.1
7907	M1O	03-364/02:47:21.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-364/02:38:15.1
7908	M1O	03-364/02:51:51.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	03-364/02:42:45.1
7909	M1O	03-364/02:52:08.8		NOTE: South Pole Crossing 9057		03-364/02:43:02.6
7910	M1O	03-364/02:53:37.2		NOTE: Periapsis 9057 ----------		03-364/02:44:31.0
7911	M1O	03-364/02:55:21.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-364/02:46:15.1
7912	M1O	03-364/02:55:21.2		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-364/02:46:15.1
7913	M1O	03-364/03:20:40.7		NOTE: Enter Solar Eclipse 9057		03-364/03:11:34.5
7914	M1O	03-364/03:21:28.0		NOTE: Ascending Node Crossing 9057		03-364/03:12:21.7
7915	M1O	03-364/03:25:21.2		GV: GV_DESAT_ACTIVE = 1		03-364/03:16:15.0
7916	M1O	03-364/03:25:22.2		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	03-364/03:16:16.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_desat_start.cfg		
7917	M1O	03-364/03:25:22.2		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-364/03:16:16.0
7918	M1O	03-364/03:35:21.3		GV: GV_DESAT_ACTIVE = 0		03-364/03:26:15.0
7919	M1O	03-364/03:35:22.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	03-364/03:26:16.0
7920	M1O	03-364/03:35:23.3		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-364/03:26:17.0
7921	M1O	03-364/03:35:24.3		CALL, Engine = , Parameters =	unpark_hga	03-364/03:26:18.0
7922	M1O	03-364/03:35:24.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-364/03:26:18.0
7923	M1O	03-364/03:35:25.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-364/03:26:19.0
7924	M1O	03-364/03:39:55.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	03-364/03:30:49.0
7925	M1O	03-364/03:39:56.3		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	03-364/03:30:50.0
7926	M1O	03-364/03:41:46.3		NOTE: ENTER HGA KEEP OUT ZONE		
7927	M1O	03-364/03:42:14.7		NOTE: Exit Solar Eclipse 9057		03-364/03:33:08.3
7928	M1O	03-364/03:43:56.3		NOTE: EXIT HGA PARK		
7929	M1O	03-364/03:49:12.8		NOTE: Enter Planetary Atmosphere 9057		03-364/03:40:06.4
7930	M1O	03-364/03:50:43.8		NOTE: Enter Earth Occultation 9057		03-364/03:41:37.5
7931	M1O	03-364/03:51:23.4		NOTE: North Pole Crossing 9057		03-364/03:42:17.1
7932	M1O	03-364/03:53:48.6		NOTE: Apoapsis 9057 -		03-364/03:44:42.2
7933	M1O	03-364/04:02:06.4		NOTE: EXIT HGA KEEP OUT ZONE		
7934	M1O	03-364/04:09:22.7		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-364/04:00:16.3
7935	M1O	03-364/04:09:22.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/04:00:16.4
7936	M1O	03-364/04:09:23.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-364/04:00:17.4
7937	M1O	03-364/04:09:24.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-364/04:00:18.4
7938	M1O	03-364/04:09:25.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-364/04:00:19.4
7939	M1O	03-364/04:09:26.8		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-364/04:00:20.4
7940	M1O	03-364/04:09:36.8		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-364/04:00:30.4
7941	M1O	03-364/04:09:46.8		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-364/04:00:40.4
7942	M1O	03-364/04:09:47.7		NOTE: Exit Earth Occultation 9057		03-364/04:00:41.3
7943	M1O	03-364/04:09:47.7	24	Acquisition Of X-Band Signal		
7944	M1O	03-364/04:09:47.7	24	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7945	M1O	03-364/04:11:19.6		NOTE: Exit Planetary Atmosphere 9057		03-364/04:02:13.2
7946	M1O	03-364/04:14:46.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-364/04:05:40.4
7947	M1O	03-364/04:14:47.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-364/04:05:41.4
7948	M1O	03-364/04:14:47.8	24	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7949	M1O	03-364/04:14:48.8		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-364/04:05:42.4
7950	M1O	03-364/04:21:23.0		NOTE: Descending Node Crossing 9058		03-364/04:12:16.5
7951	M1O	03-364/04:50:46.3		NOTE: South Pole Crossing 9058		03-364/04:41:39.7
7952	M1O	03-364/04:52:41.1		NOTE: Periapsis 9058 ----------		03-364/04:43:34.6
7953	M1O	03-364/05:00:00.0	43	Begin Pre-Cal		
7954	M1O	03-364/05:00:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
7955	M1O	03-364/05:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
7956	M1O	03-364/05:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
7957	M1O	03-364/05:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
7958	M1O	03-364/05:00:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
7959	M1O	03-364/05:00:00.0	43	Config: RCV: Parms:		
7960	M1O	03-364/05:00:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7961	M1O	03-364/05:00:00.0	43	Config: TGC: BAND=X, SR=79632.000000		
7962	M1O	03-364/05:00:00.0	43	Config: TXL		
7963	M1O	03-364/05:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
7964	M1O	03-364/05:00:00.0	43	Config: CMD		
7965	M1O	03-364/05:00:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
7966	M1O	03-364/05:19:15.9		NOTE: Enter Solar Eclipse 9058		03-364/05:10:09.2
7967	M1O	03-364/05:20:05.1		NOTE: Ascending Node Crossing 9058		03-364/05:10:58.4
7968	M1O	03-364/05:39:20.7		SPAWN, Engine = 65535, Parameters = 3, 00:40:37.209, 1	dpt	03-364/05:30:14.0
7969	M1O	03-364/05:39:22.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/05:30:16.1
7970	M1O	03-364/05:39:22.8	24	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7971	M1O	03-364/05:39:23.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-364/05:30:17.1
7972	M1O	03-364/05:40:22.7		NOTE: ENTER HGA KEEP OUT ZONE		
7973	M1O	03-364/05:40:22.7	24	NOTE: Loss Of X-Band Signal		
7974	M1O	03-364/05:40:52.1		NOTE: Exit Solar Eclipse 9058		03-364/05:31:45.4
7975	M1O	03-364/05:47:48.5		NOTE: Enter Planetary Atmosphere 9058		03-364/05:38:41.8
7976	M1O	03-364/05:49:19.5		NOTE: Enter Earth Occultation 9058		03-364/05:40:12.8
7977	M1O	03-364/05:50:00.3		NOTE: North Pole Crossing 9058		03-364/05:40:53.5
7978	M1O	03-364/05:52:49.5		NOTE: Apoapsis 9058 -		03-364/05:43:42.8
7979	M1O	03-364/06:00:42.7		NOTE: EXIT HGA KEEP OUT ZONE		
7980	M1O	03-364/06:08:24.0		NOTE: Exit Earth Occultation 9058		03-364/05:59:17.2
7981	M1O	03-364/06:08:24.0	24	Acquisition Of X-Band Signal		
7982	M1O	03-364/06:08:24.0	24	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7983	M1O	03-364/06:09:55.9		NOTE: Exit Planetary Atmosphere 9058		03-364/06:00:49.1
7984	M1O	03-364/06:15:00.0	43	Begin Tracking		
7985	M1O	03-364/06:15:00.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7986	M1O	03-364/06:15:00.0		NOTE: Changing to 70M downlink rate: 110600_BPS		03-364/06:05:53.2
7987	M1O	03-364/06:15:00.0		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	03-364/06:05:53.2
7988	M1O	03-364/06:15:00.0	24	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7989	M1O	03-364/06:15:00.0	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7990	M1O	03-364/06:16:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7991	M1O	03-364/06:20:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-364/06:10:53.3
7992	M1O	03-364/06:20:00.1	24	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7993	M1O	03-364/06:20:00.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7994	M1O	03-364/06:20:00.1		NOTE: Descending Node Crossing 9059		03-364/06:10:53.3
7995	M1O	03-364/06:20:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-364/06:10:54.3
7996	M1O	03-364/06:21:00.0	43	Range Modulation On: SUP=3.0dB		
7997	M1O	03-364/06:22:00.0	43	Begin Ranging Acquisition		
7998	M1O	03-364/06:33:11.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-364/06:24:04.6
7999	M1O	03-364/06:33:13.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/06:24:06.7
8000	M1O	03-364/06:33:13.6	24	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8001	M1O	03-364/06:33:13.6	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8002	M1O	03-364/06:33:14.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-364/06:24:07.7
8003	M1O	03-364/06:34:13.6	24	Acquire D/L: X/08, 3-Way/43, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8004	M1O	03-364/06:34:13.6	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8005	M1O	03-364/06:39:13.6		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	03-364/06:30:06.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
8006	M1O	03-364/06:39:13.6	24	D/L Change: X/08, 3-Way/43, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8007	M1O	03-364/06:39:13.6	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8008	M1O	03-364/06:39:14.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-364/06:30:07.7
8009	M1O	03-364/06:49:22.6		NOTE: South Pole Crossing 9059		03-364/06:40:15.6
8010	M1O	03-364/06:50:00.0	24	End Tracking		
8011	M1O	03-364/06:51:26.2		NOTE: Periapsis 9059 ----------		03-364/06:42:19.3
8012	M1O	03-364/07:05:00.0	24	End Post-Cal		
8013	M1O	03-364/07:05:45.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
8014	M1O	03-364/07:09:06.9		SPAWN, Engine = 65535, Parameters =	scdiag	03-364/07:00:00.0
8015	M1O	03-364/07:09:08.0		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	03-364/07:00:01.1
8016	M1O	03-364/07:09:09.0		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	03-364/07:00:02.1
8017	M1O	03-364/07:10:09.9		SPAWN, Engine = 65535, Parameters = WEEKLY	fsw_diag	03-364/07:01:03.0
8018	M1O	03-364/07:10:10.1		NOTE: Start Block fsw_diag		03-364/07:01:03.2
8019	M1O	03-364/07:10:11.1		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D53,0x686F7720,0x313B6368,0x65636B53,0x7461636B,0x3B690000,0x0000,0x0000,0x0000, 0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000]	FSW_VX_CMD	03-364/07:01:04.2
8020	M1O	03-364/07:10:12.1		Creates a non-channelized telemetry packet for APID 7.: d:/	FILE_SYS_STATUS	03-364/07:01:05.2
8021	M1O	03-364/07:10:23.1		NOTE: End Block fsw_diag.mod		03-364/07:01:16.2
8022	M1O	03-364/07:11:22.9		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-364/07:02:16.0
8023	M1O	03-364/07:11:23.1		NOTE: Start Block fsw_diag		03-364/07:02:16.2
8024	M1O	03-364/07:11:24.1		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	03-364/07:02:17.2
8025	M1O	03-364/07:11:25.1		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	03-364/07:02:18.2
8026	M1O	03-364/07:11:36.1		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	03-364/07:02:29.2
8027	M1O	03-364/07:12:06.1		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	03-364/07:02:59.2
8028	M1O	03-364/07:12:26.1		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	03-364/07:03:19.2
8029	M1O	03-364/07:12:36.1		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	03-364/07:03:29.2
8030	M1O	03-364/07:12:56.1		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	03-364/07:03:49.2
8031	M1O	03-364/07:13:06.1		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	03-364/07:03:59.2
8032	M1O	03-364/07:13:11.1		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	03-364/07:04:04.2
8033	M1O	03-364/07:13:16.1		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	03-364/07:04:09.2
8034	M1O	03-364/07:13:21.1		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	03-364/07:04:14.2
8035	M1O	03-364/07:13:26.1		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	03-364/07:04:19.2
8036	M1O	03-364/07:13:31.1		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	03-364/07:04:24.2
8037	M1O	03-364/07:14:11.1		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	03-364/07:05:04.2
8038	M1O	03-364/07:14:16.1		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	03-364/07:05:09.2
8039	M1O	03-364/07:14:21.1		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	03-364/07:05:14.2
8040	M1O	03-364/07:14:26.1		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	03-364/07:05:19.2
8041	M1O	03-364/07:14:31.1		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	03-364/07:05:24.2
8042	M1O	03-364/07:14:32.1		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	03-364/07:05:25.2
8043	M1O	03-364/07:14:33.1		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	03-364/07:05:26.2
8044	M1O	03-364/07:14:34.1		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-364/07:05:27.2
8045	M1O	03-364/07:14:45.1		NOTE: End Block fsw_diag.mod		03-364/07:05:38.2
8046	M1O	03-364/07:15:45.0	43	Range Modulation Off		
8047	M1O	03-364/07:17:48.7		NOTE: Enter Solar Eclipse 9059		03-364/07:08:41.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8048	M1O	03-364/07:18:40.1		NOTE: Ascending Node Crossing 9059		03-364/07:09:33.1
8049	M1O	03-364/07:20:45.0	43	X-Band Transmitter Off		
8050	M1O	03-364/07:37:56.7		SPAWN, Engine = 65535, Parameters = 3, 00:34:34, 1	dpt	03-364/07:28:49.6
8051	M1O	03-364/07:37:58.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/07:28:51.7
8052	M1O	03-364/07:37:58.8	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8053	M1O	03-364/07:37:59.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-364/07:28:52.7
8054	M1O	03-364/07:38:59.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8055	M1O	03-364/07:39:00.0		NOTE: ENTER HGA KEEP OUT ZONE		
8056	M1O	03-364/07:39:00.0	43	NOTE: Loss Of X-Band Signal		
8057	M1O	03-364/07:39:29.1		NOTE: Exit Solar Eclipse 9059		03-364/07:30:22.0
8058	M1O	03-364/07:46:20.1		NOTE: Enter Planetary Atmosphere 9059		03-364/07:37:13.0
8059	M1O	03-364/07:47:50.8		NOTE: Enter Earth Occultation 9059		03-364/07:38:43.7
8060	M1O	03-364/07:48:35.1		NOTE: North Pole Crossing 9059		03-364/07:39:28.0
8061	M1O	03-364/07:49:19.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8062	M1O	03-364/07:51:20.3		NOTE: Apoapsis 9059 -		03-364/07:42:13.2
8063	M1O	03-364/07:54:19.0	43	Range Modulation On: SUP=3.0dB		
8064	M1O	03-364/07:55:19.0	43	Begin Ranging Acquisition		
8065	M1O	03-364/07:57:04.1		SPAWN, Engine = 65535, Parameters = 364, 01, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-364/07:47:57.0
8066	M1O	03-364/07:57:05.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-364/07:47:58.1
8067	M1O	03-364/07:57:07.2		CALL, Engine = , Parameters = 56	get_cmd_opt	03-364/07:48:00.1
8068	M1O	03-364/07:57:07.5		CALL, Engine = , Parameters = 364, 01, 056	bld_autosw	03-364/07:48:00.4
8069	M1O	03-364/07:57:08.6		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-364/07:48:01.5
8070	M1O	03-364/07:57:09.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/07:48:02.6
8071	M1O	03-364/07:57:10.7		Deletes the designated file.: d:/dat/056_doy364_pass01_file01.dat	FILE_DELETE	03-364/07:48:03.6
8072	M1O	03-364/07:57:11.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/07:48:04.7
8073	M1O	03-364/07:57:12.8		Deletes the designated file.: d:/dat/056_doy364_pass01_file02.dat	FILE_DELETE	03-364/07:48:05.7
8074	M1O	03-364/07:57:13.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/07:48:06.8
8075	M1O	03-364/07:57:14.9		Deletes the designated file.: d:/dat/056_doy364_pass01_file03.dat	FILE_DELETE	03-364/07:48:07.8
8076	M1O	03-364/07:57:16.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/07:48:08.9
8077	M1O	03-364/07:57:17.0		Deletes the designated file.: d:/dat/056_doy364_pass01_file04.dat	FILE_DELETE	03-364/07:48:09.9
8078	M1O	03-364/07:57:18.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/07:48:11.0
8079	M1O	03-364/07:57:19.1		Deletes the designated file.: d:/dat/056_doy364_pass01_file05.dat	FILE_DELETE	03-364/07:48:12.0
8080	M1O	03-364/07:57:20.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/07:48:13.1
8081	M1O	03-364/07:57:21.2		Deletes the designated file.: d:/dat/056_doy364_pass01_file06.dat	FILE_DELETE	03-364/07:48:14.1
8082	M1O	03-364/07:57:22.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/07:48:15.2
8083	M1O	03-364/07:57:23.3		Deletes the designated file.: d:/dat/056_doy364_pass01_file07.dat	FILE_DELETE	03-364/07:48:16.2
8084	M1O	03-364/07:57:24.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/07:48:17.3
8085	M1O	03-364/07:57:25.4		Deletes the designated file.: d:/dat/056_doy364_pass01_file08.dat	FILE_DELETE	03-364/07:48:18.3
8086	M1O	03-364/07:57:26.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/07:48:19.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8087	M1O	03-364/07:57:27.5		Deletes the designated file.: d:/dat/056_doy364_pass01_file09.dat	FILE_DELETE	03-364/07:48:20.4
8088	M1O	03-364/07:57:28.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/07:48:21.5
8089	M1O	03-364/07:57:29.6		Deletes the designated file.: d:/dat/056_doy364_pass01_file10.dat	FILE_DELETE	03-364/07:48:22.5
8090	M1O	03-364/07:57:30.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/07:48:23.6
8091	M1O	03-364/07:57:31.7		Deletes the designated file.: d:/dat/056_doy364_pass01_file11.dat	FILE_DELETE	03-364/07:48:24.6
8092	M1O	03-364/07:57:32.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/07:48:25.7
8093	M1O	03-364/07:57:33.8		Deletes the designated file.: d:/dat/056_doy364_pass01_file12.dat	FILE_DELETE	03-364/07:48:26.7
8094	M1O	03-364/07:57:34.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/07:48:27.8
8095	M1O	03-364/07:57:35.9		Deletes the designated file.: d:/dat/056_doy364_pass01_file13.dat	FILE_DELETE	03-364/07:48:28.8
8096	M1O	03-364/07:57:37.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/07:48:29.9
8097	M1O	03-364/07:57:38.0		Deletes the designated file.: d:/dat/056_doy364_pass01_file14.dat	FILE_DELETE	03-364/07:48:30.9
8098	M1O	03-364/07:57:39.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/07:48:32.0
8099	M1O	03-364/07:57:40.1		Deletes the designated file.: d:/dat/056_doy364_pass01_file15.dat	FILE_DELETE	03-364/07:48:33.0
8100	M1O	03-364/07:57:41.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/07:48:34.1
8101	M1O	03-364/07:57:42.2		Deletes the designated file.: d:/dat/056_doy364_pass01_file16.dat	FILE_DELETE	03-364/07:48:35.1
8102	M1O	03-364/07:57:43.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/07:48:36.2
8103	M1O	03-364/07:57:44.3		Deletes the designated file.: d:/dat/056_doy364_pass01_file17.dat	FILE_DELETE	03-364/07:48:37.2
8104	M1O	03-364/07:57:45.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/07:48:38.3
8105	M1O	03-364/07:57:46.4		Deletes the designated file.: d:/dat/056_doy364_pass01_file18.dat	FILE_DELETE	03-364/07:48:39.3
8106	M1O	03-364/07:57:47.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/07:48:40.4
8107	M1O	03-364/07:57:48.5		Deletes the designated file.: d:/dat/056_doy364_pass01_file19.dat	FILE_DELETE	03-364/07:48:41.4
8108	M1O	03-364/07:57:49.5		CALL, Engine = , Parameters = 56	get_apid	03-364/07:48:42.4
8109	M1O	03-364/07:57:50.6		CALL, Engine = , Parameters = 56	get_rcv_mode	03-364/07:48:43.5
8110	M1O	03-364/07:57:50.8		CALL, Engine = , Parameters = 56	get_dl_rate	03-364/07:48:43.7
8111	M1O	03-364/07:57:51.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-364/07:48:44.8
8112	M1O	03-364/07:57:53.1		CALL, Engine = , Parameters = 56	get_coding	03-364/07:48:46.0
8113	M1O	03-364/07:57:54.3		CALL, Engine = , Parameters = 56	get_xmt_mode	03-364/07:48:47.2
8114	M1O	03-364/07:57:55.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-364/07:48:48.4
8115	M1O	03-364/07:59:00.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-364/07:49:53.2
8116	M1O	03-364/07:59:01.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-364/07:49:54.2
8117	M1O	03-364/07:59:02.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-364/07:49:55.2
8118	M1O	03-364/07:59:03.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-364/07:49:56.2
8119	M1O	03-364/07:59:04.3		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-364/07:49:57.2
8120	M1O	03-364/07:59:05.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-364/07:49:58.2
8121	M1O	03-364/07:59:06.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/07:49:59.2
8122	M1O	03-364/07:59:20.1		NOTE: EXIT HGA KEEP OUT ZONE		
8123	M1O	03-364/07:59:56.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/07:50:49.2
8124	M1O	03-364/08:00:06.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-364/07:50:59.2
8125	M1O	03-364/08:02:07.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/07:53:00.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8126	M1O	03-364/08:02:08.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/07:53:01.2
8127	M1O	03-364/08:04:07.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/07:55:00.2
8128	M1O	03-364/08:04:08.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/07:55:01.2
8129	M1O	03-364/08:06:07.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/07:57:00.2
8130	M1O	03-364/08:06:08.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/07:57:01.2
8131	M1O	03-364/08:07:00.8		NOTE: Exit Earth Occultation 9059		03-364/07:57:53.6
8132	M1O	03-364/08:07:00.8	43	Acquisition Of X-Band Signal		
8133	M1O	03-364/08:07:00.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8134	M1O	03-364/08:07:33.1	43	Acquire D/L: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8135	M1O	03-364/08:08:07.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/07:59:00.2
8136	M1O	03-364/08:08:08.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/07:59:01.2
8137	M1O	03-364/08:08:32.4		NOTE: Exit Planetary Atmosphere 9059		03-364/07:59:25.3
8138	M1O	03-364/08:10:07.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/08:01:00.2
8139	M1O	03-364/08:10:08.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/08:01:01.2
8140	M1O	03-364/08:12:07.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/08:03:00.2
8141	M1O	03-364/08:12:08.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/08:03:01.2
8142	M1O	03-364/08:12:32.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-364/08:03:25.7
8143	M1O	03-364/08:12:32.9	43	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8144	M1O	03-364/08:12:33.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/08:03:26.7
8145	M1O	03-364/08:12:33.8	43	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8146	M1O	03-364/08:12:33.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-364/08:03:26.7
8147	M1O	03-364/08:14:07.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/08:05:00.2
8148	M1O	03-364/08:14:08.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/08:05:01.2
8149	M1O	03-364/08:16:07.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/08:07:00.2
8150	M1O	03-364/08:16:08.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/08:07:01.2
8151	M1O	03-364/08:18:07.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/08:09:00.2
8152	M1O	03-364/08:18:08.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/08:09:01.2
8153	M1O	03-364/08:18:34.7		NOTE: Descending Node Crossing 9060		03-364/08:09:27.5
8154	M1O	03-364/08:20:07.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/08:11:00.2
8155	M1O	03-364/08:20:08.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/08:11:01.2
8156	M1O	03-364/08:22:07.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/08:13:00.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8157	M1O	03-364/08:22:08.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/08:13:01.2
8158	M1O	03-364/08:24:07.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/08:15:00.2
8159	M1O	03-364/08:24:08.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/08:15:01.2
8160	M1O	03-364/08:26:07.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/08:17:00.2
8161	M1O	03-364/08:26:08.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/08:17:01.2
8162	M1O	03-364/08:28:07.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/08:19:00.2
8163	M1O	03-364/08:28:08.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/08:19:01.2
8164	M1O	03-364/08:30:07.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/08:21:00.2
8165	M1O	03-364/08:30:08.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/08:21:01.2
8166	M1O	03-364/08:31:04.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/08:21:57.2
8167	M1O	03-364/08:31:05.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-364/08:21:58.3
8168	M1O	03-364/08:31:15.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-364/08:22:08.3
8169	M1O	03-364/08:31:16.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-364/08:22:09.3
8170	M1O	03-364/08:31:17.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-364/08:22:10.3
8171	M1O	03-364/08:31:17.5	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8172	M1O	03-364/08:31:18.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-364/08:22:11.3
8173	M1O	03-364/08:36:17.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-364/08:27:10.0
8174	M1O	03-364/08:36:17.2	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8175	M1O	03-364/08:47:56.0		NOTE: South Pole Crossing 9060		03-364/08:38:48.7
8176	M1O	03-364/08:49:42.7		NOTE: Periapsis 9060 ----------		03-364/08:40:35.4
8177	M1O	03-364/09:04:19.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
8178	M1O	03-364/09:14:19.0	43	Range Modulation Off		
8179	M1O	03-364/09:16:20.6		NOTE: Enter Solar Eclipse 9060		03-364/09:07:13.2
8180	M1O	03-364/09:17:12.8		NOTE: Ascending Node Crossing 9060		03-364/09:08:05.4
8181	M1O	03-364/09:19:19.0	43	X-Band Transmitter Off		
8182	M1O	03-364/09:36:31.1		SPAWN, Engine = 65535, Parameters = 3, 00:34:33, 1	dpt	03-364/09:27:23.6
8183	M1O	03-364/09:36:33.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/09:27:25.7
8184	M1O	03-364/09:36:33.2	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8185	M1O	03-364/09:36:34.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-364/09:27:26.7
8186	M1O	03-364/09:37:33.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8187	M1O	03-364/09:37:34.4		NOTE: ENTER HGA KEEP OUT ZONE		
8188	M1O	03-364/09:37:34.4	43	NOTE: Loss Of X-Band Signal		
8189	M1O	03-364/09:38:03.6		NOTE: Exit Solar Eclipse 9060		03-364/09:28:56.1
8190	M1O	03-364/09:44:48.8		NOTE: Enter Planetary Atmosphere 9060		03-364/09:35:41.4
8191	M1O	03-364/09:46:19.1		NOTE: Enter Earth Occultation 9060		03-364/09:37:11.7
8192	M1O	03-364/09:47:07.3		NOTE: North Pole Crossing 9060		03-364/09:37:59.9
8193	M1O	03-364/09:47:52.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8194	M1O	03-364/09:49:33.0		NOTE: Apoapsis 9060 -		03-364/09:40:25.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8195	M1O	03-364/09:52:52.0	43	Range Modulation On: SUP=3.0dB		
8196	M1O	03-364/09:53:52.0	43	Begin Ranging Acquisition		
8197	M1O	03-364/09:56:45.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
8198	M1O	03-364/09:57:54.4		NOTE: EXIT HGA KEEP OUT ZONE		
8199	M1O	03-364/10:02:11.5		SPAWN, Engine = 65535, Parameters = 364, 02, TRUE, 00:15:50.398, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-364/09:53:04.0
8200	M1O	03-364/10:02:12.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-364/09:53:05.1
8201	M1O	03-364/10:02:14.6		CALL, Engine = , Parameters = 56	get_cmd_opt	03-364/09:53:07.1
8202	M1O	03-364/10:02:14.9		CALL, Engine = , Parameters = 364, 02, 056	bld_autosw	03-364/09:53:07.4
8203	M1O	03-364/10:02:16.0		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-364/09:53:08.5
8204	M1O	03-364/10:02:17.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/09:53:09.6
8205	M1O	03-364/10:02:18.1		Deletes the designated file.: d:/dat/056_doy364_pass02_file01.dat	FILE_DELETE	03-364/09:53:10.6
8206	M1O	03-364/10:02:19.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/09:53:11.7
8207	M1O	03-364/10:02:20.2		Deletes the designated file.: d:/dat/056_doy364_pass02_file02.dat	FILE_DELETE	03-364/09:53:12.7
8208	M1O	03-364/10:02:21.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/09:53:13.8
8209	M1O	03-364/10:02:22.3		Deletes the designated file.: d:/dat/056_doy364_pass02_file03.dat	FILE_DELETE	03-364/09:53:14.8
8210	M1O	03-364/10:02:23.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/09:53:15.9
8211	M1O	03-364/10:02:24.4		Deletes the designated file.: d:/dat/056_doy364_pass02_file04.dat	FILE_DELETE	03-364/09:53:16.9
8212	M1O	03-364/10:02:25.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/09:53:18.0
8213	M1O	03-364/10:02:26.5		Deletes the designated file.: d:/dat/056_doy364_pass02_file05.dat	FILE_DELETE	03-364/09:53:19.0
8214	M1O	03-364/10:02:27.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/09:53:20.1
8215	M1O	03-364/10:02:28.6		Deletes the designated file.: d:/dat/056_doy364_pass02_file06.dat	FILE_DELETE	03-364/09:53:21.1
8216	M1O	03-364/10:02:29.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/09:53:22.2
8217	M1O	03-364/10:02:30.7		Deletes the designated file.: d:/dat/056_doy364_pass02_file07.dat	FILE_DELETE	03-364/09:53:23.2
8218	M1O	03-364/10:02:31.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/09:53:24.3
8219	M1O	03-364/10:02:32.8		Deletes the designated file.: d:/dat/056_doy364_pass02_file08.dat	FILE_DELETE	03-364/09:53:25.3
8220	M1O	03-364/10:02:33.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/09:53:26.4
8221	M1O	03-364/10:02:34.9		Deletes the designated file.: d:/dat/056_doy364_pass02_file09.dat	FILE_DELETE	03-364/09:53:27.4
8222	M1O	03-364/10:02:36.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/09:53:28.5
8223	M1O	03-364/10:02:37.0		Deletes the designated file.: d:/dat/056_doy364_pass02_file10.dat	FILE_DELETE	03-364/09:53:29.5
8224	M1O	03-364/10:02:38.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/09:53:30.6
8225	M1O	03-364/10:02:39.1		Deletes the designated file.: d:/dat/056_doy364_pass02_file11.dat	FILE_DELETE	03-364/09:53:31.6
8226	M1O	03-364/10:02:40.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/09:53:32.7
8227	M1O	03-364/10:02:41.2		Deletes the designated file.: d:/dat/056_doy364_pass02_file12.dat	FILE_DELETE	03-364/09:53:33.7
8228	M1O	03-364/10:02:42.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/09:53:34.8
8229	M1O	03-364/10:02:43.3		Deletes the designated file.: d:/dat/056_doy364_pass02_file13.dat	FILE_DELETE	03-364/09:53:35.8
8230	M1O	03-364/10:02:44.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/09:53:36.9
8231	M1O	03-364/10:02:45.4		Deletes the designated file.: d:/dat/056_doy364_pass02_file14.dat	FILE_DELETE	03-364/09:53:37.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8232	M1O	03-364/10:02:46.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/09:53:39.0
8233	M1O	03-364/10:02:47.5		Deletes the designated file.: d:/dat/056_doy364_pass02_file15.dat	FILE_DELETE	03-364/09:53:40.0
8234	M1O	03-364/10:02:48.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/09:53:41.1
8235	M1O	03-364/10:02:49.6		Deletes the designated file.: d:/dat/056_doy364_pass02_file16.dat	FILE_DELETE	03-364/09:53:42.1
8236	M1O	03-364/10:02:50.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/09:53:43.2
8237	M1O	03-364/10:02:51.7		Deletes the designated file.: d:/dat/056_doy364_pass02_file17.dat	FILE_DELETE	03-364/09:53:44.2
8238	M1O	03-364/10:02:52.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/09:53:45.3
8239	M1O	03-364/10:02:53.8		Deletes the designated file.: d:/dat/056_doy364_pass02_file18.dat	FILE_DELETE	03-364/09:53:46.3
8240	M1O	03-364/10:02:54.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/09:53:47.4
8241	M1O	03-364/10:02:55.9		Deletes the designated file.: d:/dat/056_doy364_pass02_file19.dat	FILE_DELETE	03-364/09:53:48.4
8242	M1O	03-364/10:02:56.9		CALL, Engine = , Parameters = 56	get_apid	03-364/09:53:49.4
8243	M1O	03-364/10:02:58.0		CALL, Engine = , Parameters = 56	get_rcv_mode	03-364/09:53:50.5
8244	M1O	03-364/10:02:58.2		CALL, Engine = , Parameters = 56	get_dl_rate	03-364/09:53:50.7
8245	M1O	03-364/10:02:59.3		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-364/09:53:51.8
8246	M1O	03-364/10:03:00.5		CALL, Engine = , Parameters = 56	get_coding	03-364/09:53:53.0
8247	M1O	03-364/10:03:01.7		CALL, Engine = , Parameters = 56	get_xmt_mode	03-364/09:53:54.2
8248	M1O	03-364/10:03:02.9		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-364/09:53:55.4
8249	M1O	03-364/10:04:07.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-364/09:55:00.2
8250	M1O	03-364/10:04:08.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-364/09:55:01.2
8251	M1O	03-364/10:04:09.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-364/09:55:02.2
8252	M1O	03-364/10:04:10.7		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-364/09:55:03.2
8253	M1O	03-364/10:04:11.7		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-364/09:55:04.2
8254	M1O	03-364/10:04:12.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-364/09:55:05.2
8255	M1O	03-364/10:04:13.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/09:55:06.2
8256	M1O	03-364/10:05:03.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/09:55:56.2
8257	M1O	03-364/10:05:13.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-364/09:56:06.2
8258	M1O	03-364/10:05:34.8		NOTE: Exit Earth Occultation 9060		03-364/09:56:27.3
8259	M1O	03-364/10:05:34.8	43	Acquisition Of X-Band Signal		
8260	M1O	03-364/10:05:34.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8261	M1O	03-364/10:06:06.9	43	Acquire D/L: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8262	M1O	03-364/10:06:45.0	43	Range Modulation Off		
8263	M1O	03-364/10:07:06.1		NOTE: Exit Planetary Atmosphere 9060		03-364/09:57:58.6
8264	M1O	03-364/10:07:14.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/09:58:07.2
8265	M1O	03-364/10:07:15.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/09:58:08.2
8266	M1O	03-364/10:09:14.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/10:00:07.2
8267	M1O	03-364/10:09:15.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/10:00:08.2
8268	M1O	03-364/10:11:06.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-364/10:01:58.7
8269	M1O	03-364/10:11:06.3	43	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8270	M1O	03-364/10:11:07.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/10:01:59.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8271	M1O	03-364/10:11:07.2	43	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8272	M1O	03-364/10:11:07.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-364/10:01:59.7
8273	M1O	03-364/10:11:14.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/10:02:07.2
8274	M1O	03-364/10:11:15.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/10:02:08.2
8275	M1O	03-364/10:11:44.8	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
8276	M1O	03-364/10:11:45.0	43	X-Band Transmitter Off		
8277	M1O	03-364/10:13:14.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/10:04:07.2
8278	M1O	03-364/10:13:15.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/10:04:08.2
8279	M1O	03-364/10:15:14.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/10:06:07.2
8280	M1O	03-364/10:15:15.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/10:06:08.2
8281	M1O	03-364/10:17:06.0		NOTE: Descending Node Crossing 9061		03-364/10:07:58.5
8282	M1O	03-364/10:17:14.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/10:08:07.2
8283	M1O	03-364/10:17:15.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/10:08:08.2
8284	M1O	03-364/10:19:14.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/10:10:07.2
8285	M1O	03-364/10:19:15.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/10:10:08.2
8286	M1O	03-364/10:20:02.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/10:10:54.5
8287	M1O	03-364/10:20:03.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-364/10:10:55.6
8288	M1O	03-364/10:20:13.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-364/10:11:05.6
8289	M1O	03-364/10:20:14.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-364/10:11:06.6
8290	M1O	03-364/10:20:15.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-364/10:11:07.6
8291	M1O	03-364/10:20:15.2	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8292	M1O	03-364/10:20:16.2		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-364/10:11:08.6
8293	M1O	03-364/10:21:48.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-364/10:12:41.0
8294	M1O	03-364/10:22:04.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-362T10:12:41.100, 2003-364T10:12:41.100	PCKTS_RE_TX_TIME	03-364/10:12:56.8
8295	M1O	03-364/10:22:05.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-362T10:12:41.100, 2003-364T10:12:41.100	PCKTS_RE_TX_TIME	03-364/10:12:57.8
8296	M1O	03-364/10:22:06.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-362T10:12:41.100, 2003-364T10:12:41.100	PCKTS_RE_TX_TIME	03-364/10:12:58.8
8297	M1O	03-364/10:22:07.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-362T10:12:41.100, 2003-364T10:12:41.100	PCKTS_RE_TX_TIME	03-364/10:12:59.8
8298	M1O	03-364/10:22:08.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-362T10:12:41.100, 2003-364T10:12:41.100	PCKTS_RE_TX_TIME	03-364/10:13:00.8
8299	M1O	03-364/10:22:09.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-362T10:12:41.100, 2003-364T10:12:41.100	PCKTS_RE_TX_TIME	03-364/10:13:01.8
8300	M1O	03-364/10:22:09.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-364/10:13:01.8
8301	M1O	03-364/10:22:09.3	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8302	M1O	03-364/10:22:10.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/10:13:02.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8303	M1O	03-364/10:22:10.3	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8304	M1O	03-364/10:29:10.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/10:20:02.8
8305	M1O	03-364/10:29:11.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-364/10:20:03.8
8306	M1O	03-364/10:29:27.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-364/10:20:19.8
8307	M1O	03-364/10:29:27.3	43	D/L RF Warning: SC antenna change - expect signal level variation		
8308	M1O	03-364/10:29:28.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-364/10:20:20.8
8309	M1O	03-364/10:30:00.0	43	End Tracking		
8310	M1O	03-364/10:45:00.0	43	End Post-Cal		
8311	M1O	03-364/10:46:27.2		NOTE: South Pole Crossing 9061		03-364/10:37:19.6
8312	M1O	03-364/10:47:57.6		NOTE: Periapsis 9061 ----------		03-364/10:38:49.9
8313	M1O	03-364/11:14:53.3		NOTE: Enter Solar Eclipse 9061		03-364/11:05:45.6
8314	M1O	03-364/11:15:44.6		NOTE: Ascending Node Crossing 9061		03-364/11:06:36.9
8315	M1O	03-364/11:35:45.7		NOTE: ENTER HGA KEEP OUT ZONE		
8316	M1O	03-364/11:36:33.7		NOTE: Exit Solar Eclipse 9061		03-364/11:27:25.9
8317	M1O	03-364/11:43:21.7		NOTE: Enter Planetary Atmosphere 9061		03-364/11:34:13.8
8318	M1O	03-364/11:44:52.3		NOTE: Enter Earth Occultation 9061		03-364/11:35:44.4
8319	M1O	03-364/11:45:38.9		NOTE: North Pole Crossing 9061		03-364/11:36:31.1
8320	M1O	03-364/11:48:13.4		NOTE: Apoapsis 9061 -		03-364/11:39:05.6
8321	M1O	03-364/11:56:25.8		NOTE: EXIT HGA KEEP OUT ZONE		
8322	M1O	03-364/12:04:04.0		NOTE: Exit Earth Occultation 9061		03-364/11:54:56.1
8323	M1O	03-364/12:05:35.5		NOTE: Exit Planetary Atmosphere 9061		03-364/11:56:27.6
8324	M1O	03-364/12:15:37.4		NOTE: Descending Node Crossing 9062		03-364/12:06:29.5
8325	M1O	03-364/12:44:59.4		NOTE: South Pole Crossing 9062		03-364/12:35:51.4
8326	M1O	03-364/12:46:32.2		NOTE: Periapsis 9062 ----------		03-364/12:37:24.2
8327	M1O	03-364/13:13:27.2		NOTE: Enter Solar Eclipse 9062		03-364/13:04:19.2
8328	M1O	03-364/13:14:17.8		NOTE: Ascending Node Crossing 9062		03-364/13:05:09.7
8329	M1O	03-364/13:34:37.1		NOTE: ENTER HGA KEEP OUT ZONE		
8330	M1O	03-364/13:35:01.8		NOTE: Exit Solar Eclipse 9062		03-364/13:25:53.7
8331	M1O	03-364/13:42:02.8		NOTE: Enter Planetary Atmosphere 9062		03-364/13:32:54.6
8332	M1O	03-364/13:43:34.3		NOTE: Enter Earth Occultation 9062		03-364/13:34:26.1
8333	M1O	03-364/13:44:13.5		NOTE: North Pole Crossing 9062		03-364/13:35:05.3
8334	M1O	03-364/13:46:48.6		NOTE: Apoapsis 9062 -		03-364/13:37:40.4
8335	M1O	03-364/13:54:57.2		NOTE: EXIT HGA KEEP OUT ZONE		
8336	M1O	03-364/14:02:33.7		NOTE: Exit Earth Occultation 9062		03-364/13:53:25.5
8337	M1O	03-364/14:04:06.2		NOTE: Exit Planetary Atmosphere 9062		03-364/13:54:57.9
8338	M1O	03-364/14:14:13.5		NOTE: Descending Node Crossing 9063		03-364/14:05:05.2
8339	M1O	03-364/14:43:35.5		NOTE: South Pole Crossing 9063		03-364/14:34:27.2
8340	M1O	03-364/14:45:13.9		NOTE: Periapsis 9063 ----------		03-364/14:36:05.6
8341	M1O	03-364/15:00:00.0	63	Begin Pre-Cal		
8342	M1O	03-364/15:00:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
8343	M1O	03-364/15:00:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
8344	M1O	03-364/15:00:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
8345	M1O	03-364/15:00:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8346	M1O	03-364/15:00:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
8347	M1O	03-364/15:00:00.0	63	Config: RCV: Parms:		
8348	M1O	03-364/15:00:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
8349	M1O	03-364/15:00:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
8350	M1O	03-364/15:00:00.0	63	Config: TXL		
8351	M1O	03-364/15:00:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
8352	M1O	03-364/15:00:00.0	63	Config: CMD		
8353	M1O	03-364/15:00:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
8354	M1O	03-364/15:12:02.4		NOTE: Enter Solar Eclipse 9063		03-364/15:02:54.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8355	M1O	03-364/15:12:53.6		NOTE: Ascending Node Crossing 9063		03-364/15:03:45.1
8356	M1O	03-364/15:33:13.5		NOTE: ENTER HGA KEEP OUT ZONE		
8357	M1O	03-364/15:33:34.2		NOTE: Exit Solar Eclipse 9063		03-364/15:24:25.7
8358	M1O	03-364/15:40:43.0		NOTE: Enter Planetary Atmosphere 9063		03-364/15:31:34.5
8359	M1O	03-364/15:42:14.9		NOTE: Enter Earth Occultation 9063		03-364/15:33:06.4
8360	M1O	03-364/15:42:50.1		NOTE: North Pole Crossing 9063		03-364/15:33:41.5
8361	M1O	03-364/15:45:16.8		NOTE: Apoapsis 9063 -		03-364/15:36:08.2
8362	M1O	03-364/15:53:33.5		NOTE: EXIT HGA KEEP OUT ZONE		
8363	M1O	03-364/16:01:08.1		NOTE: Exit Earth Occultation 9063		03-364/15:51:59.5
8364	M1O	03-364/16:02:41.0		NOTE: Exit Planetary Atmosphere 9063		03-364/15:53:32.4
8365	M1O	03-364/16:12:50.9		NOTE: Descending Node Crossing 9064		03-364/16:03:42.3
8366	M1O	03-364/16:29:35.7		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-364/16:20:27.1
8367	M1O	03-364/16:29:35.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/16:20:27.2
8368	M1O	03-364/16:29:36.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-364/16:20:28.2
8369	M1O	03-364/16:29:37.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-364/16:20:29.2
8370	M1O	03-364/16:29:38.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-364/16:20:30.2
8371	M1O	03-364/16:29:39.8		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-364/16:20:31.2
8372	M1O	03-364/16:29:49.8		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-364/16:20:41.2
8373	M1O	03-364/16:29:59.9		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-364/16:20:51.2
8374	M1O	03-364/16:30:00.0	63	Begin Tracking		
8375	M1O	03-364/16:30:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8376	M1O	03-364/16:31:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8377	M1O	03-364/16:34:59.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-364/16:25:51.2
8378	M1O	03-364/16:35:00.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-364/16:25:52.2
8379	M1O	03-364/16:35:00.9	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8380	M1O	03-364/16:35:01.9		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-364/16:25:53.2
8381	M1O	03-364/16:36:00.0	63	Range Modulation On: SUP=3.0dB		
8382	M1O	03-364/16:37:00.0	63	Begin Ranging Acquisition		
8383	M1O	03-364/16:42:12.8		NOTE: South Pole Crossing 9064		03-364/16:33:04.1
8384	M1O	03-364/16:43:48.9		NOTE: Periapsis 9064 ----------		03-364/16:34:40.2
8385	M1O	03-364/16:48:14.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-364/16:39:05.7
8386	M1O	03-364/16:48:16.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/16:39:07.8
8387	M1O	03-364/16:48:16.6	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8388	M1O	03-364/16:48:17.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-364/16:39:08.8
8389	M1O	03-364/16:49:17.3	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8390	M1O	03-364/16:54:16.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-364/16:45:07.8
8391	M1O	03-364/16:54:16.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8392	M1O	03-364/16:54:17.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-364/16:45:08.8
8393	M1O	03-364/16:58:33.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
8394	M1O	03-364/17:08:33.0	63	Range Modulation Off		
8395	M1O	03-364/17:10:39.0		NOTE: Enter Solar Eclipse 9064		03-364/17:01:30.2
8396	M1O	03-364/17:11:30.6		NOTE: Ascending Node Crossing 9064		03-364/17:02:21.7
8397	M1O	03-364/17:13:33.0	63	X-Band Transmitter Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8398	M1O	03-364/17:30:47.6		SPAWN, Engine = 65535, Parameters = 3, 00:34:25.896, 1	dpt	03-364/17:21:38.7
8399	M1O	03-364/17:30:49.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/17:21:40.8
8400	M1O	03-364/17:30:49.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8401	M1O	03-364/17:30:50.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-364/17:21:41.8
8402	M1O	03-364/17:31:50.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8403	M1O	03-364/17:31:50.8		NOTE: ENTER HGA KEEP OUT ZONE		
8404	M1O	03-364/17:31:50.8	63	NOTE: Loss Of X-Band Signal		
8405	M1O	03-364/17:32:11.0		NOTE: Exit Solar Eclipse 9064		03-364/17:23:02.1
8406	M1O	03-364/17:39:18.5		NOTE: Enter Planetary Atmosphere 9064		03-364/17:30:09.6
8407	M1O	03-364/17:40:50.2		NOTE: Enter Earth Occultation 9064		03-364/17:31:41.3
8408	M1O	03-364/17:41:26.8		NOTE: North Pole Crossing 9064		03-364/17:32:17.9
8409	M1O	03-364/17:42:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8410	M1O	03-364/17:43:38.6		NOTE: Apoapsis 9064 -		03-364/17:34:29.7
8411	M1O	03-364/17:47:00.0	63	Range Modulation On: SUP=3.0dB		
8412	M1O	03-364/17:48:00.0	63	Begin Ranging Acquisition		
8413	M1O	03-364/17:52:10.9		NOTE: EXIT HGA KEEP OUT ZONE		
8414	M1O	03-364/17:59:45.7		NOTE: Exit Earth Occultation 9064		03-364/17:50:36.7
8415	M1O	03-364/17:59:45.7	63	Acquisition Of X-Band Signal		
8416	M1O	03-364/17:59:45.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8417	M1O	03-364/18:00:17.8	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8418	M1O	03-364/18:01:18.4		NOTE: Exit Planetary Atmosphere 9064		03-364/17:52:09.4
8419	M1O	03-364/18:05:15.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-364/17:56:06.7
8420	M1O	03-364/18:05:15.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8421	M1O	03-364/18:05:16.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-364/17:56:07.7
8422	M1O	03-364/18:11:27.1		NOTE: Descending Node Crossing 9065		03-364/18:02:18.1
8423	M1O	03-364/18:40:49.2		NOTE: South Pole Crossing 9065		03-364/18:31:40.1
8424	M1O	03-364/18:42:22.9		NOTE: Periapsis 9065 ----------		03-364/18:33:13.8
8425	M1O	03-364/18:50:00.0	15	Begin Pre-Cal		
8426	M1O	03-364/18:50:00.0	15	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
8427	M1O	03-364/18:50:00.0	15	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
8428	M1O	03-364/18:50:00.0	15	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
8429	M1O	03-364/18:50:00.0	15	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8430	M1O	03-364/18:50:00.0	15	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
8431	M1O	03-364/18:50:00.0	15	Config: RCV: Parms:		
8432	M1O	03-364/18:50:00.0	15	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
8433	M1O	03-364/18:50:00.0	15	Config: TGC: BAND=X, SR=221200.000000		
8434	M1O	03-364/18:50:00.0	15	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
8435	M1O	03-364/18:57:08.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
8436	M1O	03-364/19:07:08.0	63	Range Modulation Off		
8437	M1O	03-364/19:09:15.3		NOTE: Enter Solar Eclipse 9065		03-364/19:00:06.1
8438	M1O	03-364/19:10:07.1		NOTE: Ascending Node Crossing 9065		03-364/19:00:57.9
8439	M1O	03-364/19:12:08.0	63	X-Band Transmitter Off		
8440	M1O	03-364/19:29:24.1		SPAWN, Engine = 65535, Parameters = 3, 00:34:29, 1	dpt	03-364/19:20:14.8
8441	M1O	03-364/19:29:26.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/19:20:16.9
8442	M1O	03-364/19:29:26.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8443	M1O	03-364/19:29:27.2		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	03-364/19:20:17.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
8444	M1O	03-364/19:30:26.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8445	M1O	03-364/19:30:27.2		NOTE: ENTER HGA KEEP OUT ZONE		
8446	M1O	03-364/19:30:27.2	63	NOTE: Loss Of X-Band Signal		
8447	M1O	03-364/19:30:50.0		NOTE: Exit Solar Eclipse 9065		03-364/19:21:40.8
8448	M1O	03-364/19:37:48.7		NOTE: Enter Planetary Atmosphere 9065		03-364/19:28:39.5
8449	M1O	03-364/19:39:19.9		NOTE: Enter Earth Occultation 9065		03-364/19:30:10.6
8450	M1O	03-364/19:40:02.2		NOTE: North Pole Crossing 9065		03-364/19:30:52.9
8451	M1O	03-364/19:40:37.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8452	M1O	03-364/19:42:08.2		NOTE: Apoapsis 9065 -		03-364/19:32:58.9
8453	M1O	03-364/19:45:37.0	63	Range Modulation On: SUP=3.0dB		
8454	M1O	03-364/19:46:37.0	63	Begin Ranging Acquisition		
8455	M1O	03-364/19:50:47.3		NOTE: EXIT HGA KEEP OUT ZONE		
8456	M1O	03-364/19:58:23.6		NOTE: Exit Earth Occultation 9065		03-364/19:49:14.3
8457	M1O	03-364/19:58:23.6	63	Acquisition Of X-Band Signal		
8458	M1O	03-364/19:58:23.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8459	M1O	03-364/19:58:55.5	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8460	M1O	03-364/19:59:55.7		NOTE: Exit Planetary Atmosphere 9065		03-364/19:50:46.4
8461	M1O	03-364/20:03:55.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-364/19:54:45.9
8462	M1O	03-364/20:03:55.3	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8463	M1O	03-364/20:03:56.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-364/19:54:46.9
8464	M1O	03-364/20:10:01.1		NOTE: Descending Node Crossing 9066		03-364/20:00:51.7
8465	M1O	03-364/20:20:00.0	15	Begin Tracking		
8466	M1O	03-364/20:20:00.0	15	Acquire D/L: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8467	M1O	03-364/20:24:15.0	15	NOTE: Above Uplink Interlock Limit		
8468	M1O	03-364/20:39:23.0		NOTE: South Pole Crossing 9066		03-364/20:30:13.5
8469	M1O	03-364/20:40:59.8		NOTE: Periapsis 9066 ----------		03-364/20:31:50.4
8470	M1O	03-364/20:54:25.5		SPAWN, Engine = 65535, Parameters = 364, 03, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-364/20:45:16.0
8471	M1O	03-364/20:54:26.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/20:45:16.5
8472	M1O	03-364/20:54:26.0	15	D/L Change: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8473	M1O	03-364/20:54:26.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8474	M1O	03-364/20:54:26.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-364/20:45:17.1
8475	M1O	03-364/20:54:28.6		CALL, Engine = , Parameters = 56	get_cmd_opt	03-364/20:45:19.1
8476	M1O	03-364/20:54:28.9		CALL, Engine = , Parameters = 364, 03, 056	bld_autosw	03-364/20:45:19.4
8477	M1O	03-364/20:54:30.0		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-364/20:45:20.5
8478	M1O	03-364/20:54:31.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/20:45:21.6
8479	M1O	03-364/20:54:32.1		Deletes the designated file.: d:/dat/056_doy364_pass03_file01.dat	FILE_DELETE	03-364/20:45:22.6
8480	M1O	03-364/20:54:33.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/20:45:23.7
8481	M1O	03-364/20:54:34.2		Deletes the designated file.: d:/dat/056_doy364_pass03_file02.dat	FILE_DELETE	03-364/20:45:24.7
8482	M1O	03-364/20:54:35.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/20:45:25.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8483	M1O	03-364/20:54:36.3		Deletes the designated file.: d:/dat/056_doy364_pass03_file03.dat	FILE_DELETE	03-364/20:45:26.8
8484	M1O	03-364/20:54:37.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/20:45:27.9
8485	M1O	03-364/20:54:38.4		Deletes the designated file.: d:/dat/056_doy364_pass03_file04.dat	FILE_DELETE	03-364/20:45:28.9
8486	M1O	03-364/20:54:39.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/20:45:30.0
8487	M1O	03-364/20:54:40.5		Deletes the designated file.: d:/dat/056_doy364_pass03_file05.dat	FILE_DELETE	03-364/20:45:31.0
8488	M1O	03-364/20:54:41.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/20:45:32.1
8489	M1O	03-364/20:54:42.6		Deletes the designated file.: d:/dat/056_doy364_pass03_file06.dat	FILE_DELETE	03-364/20:45:33.1
8490	M1O	03-364/20:54:43.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/20:45:34.2
8491	M1O	03-364/20:54:44.7		Deletes the designated file.: d:/dat/056_doy364_pass03_file07.dat	FILE_DELETE	03-364/20:45:35.2
8492	M1O	03-364/20:54:45.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/20:45:36.3
8493	M1O	03-364/20:54:46.8		Deletes the designated file.: d:/dat/056_doy364_pass03_file08.dat	FILE_DELETE	03-364/20:45:37.3
8494	M1O	03-364/20:54:47.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/20:45:38.4
8495	M1O	03-364/20:54:48.9		Deletes the designated file.: d:/dat/056_doy364_pass03_file09.dat	FILE_DELETE	03-364/20:45:39.4
8496	M1O	03-364/20:54:50.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/20:45:40.5
8497	M1O	03-364/20:54:51.0		Deletes the designated file.: d:/dat/056_doy364_pass03_file10.dat	FILE_DELETE	03-364/20:45:41.5
8498	M1O	03-364/20:54:52.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/20:45:42.6
8499	M1O	03-364/20:54:53.1		Deletes the designated file.: d:/dat/056_doy364_pass03_file11.dat	FILE_DELETE	03-364/20:45:43.6
8500	M1O	03-364/20:54:54.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/20:45:44.7
8501	M1O	03-364/20:54:55.2		Deletes the designated file.: d:/dat/056_doy364_pass03_file12.dat	FILE_DELETE	03-364/20:45:45.7
8502	M1O	03-364/20:54:56.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/20:45:46.8
8503	M1O	03-364/20:54:57.3		Deletes the designated file.: d:/dat/056_doy364_pass03_file13.dat	FILE_DELETE	03-364/20:45:47.8
8504	M1O	03-364/20:54:58.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/20:45:48.9
8505	M1O	03-364/20:54:59.4		Deletes the designated file.: d:/dat/056_doy364_pass03_file14.dat	FILE_DELETE	03-364/20:45:49.9
8506	M1O	03-364/20:55:00.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/20:45:51.0
8507	M1O	03-364/20:55:01.5		Deletes the designated file.: d:/dat/056_doy364_pass03_file15.dat	FILE_DELETE	03-364/20:45:52.0
8508	M1O	03-364/20:55:02.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/20:45:53.1
8509	M1O	03-364/20:55:03.6		Deletes the designated file.: d:/dat/056_doy364_pass03_file16.dat	FILE_DELETE	03-364/20:45:54.1
8510	M1O	03-364/20:55:04.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/20:45:55.2
8511	M1O	03-364/20:55:05.7		Deletes the designated file.: d:/dat/056_doy364_pass03_file17.dat	FILE_DELETE	03-364/20:45:56.2
8512	M1O	03-364/20:55:06.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/20:45:57.3
8513	M1O	03-364/20:55:07.8		Deletes the designated file.: d:/dat/056_doy364_pass03_file18.dat	FILE_DELETE	03-364/20:45:58.3
8514	M1O	03-364/20:55:08.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy364_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-364/20:45:59.4
8515	M1O	03-364/20:55:09.9		Deletes the designated file.: d:/dat/056_doy364_pass03_file19.dat	FILE_DELETE	03-364/20:46:00.4
8516	M1O	03-364/20:55:10.9		CALL, Engine = , Parameters = 56	get_apid	03-364/20:46:01.4
8517	M1O	03-364/20:55:12.0		CALL, Engine = , Parameters = 56	get_rcv_mode	03-364/20:46:02.5
8518	M1O	03-364/20:55:12.2		CALL, Engine = , Parameters = 56	get_dl_rate	03-364/20:46:02.7
8519	M1O	03-364/20:55:13.3		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-364/20:46:03.8
8520	M1O	03-364/20:55:14.5		CALL, Engine = , Parameters = 56	get_coding	03-364/20:46:05.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8521	M1O	03-364/20:55:15.7		CALL, Engine = , Parameters = 56	get_xmt_mode	03-364/20:46:06.2
8522	M1O	03-364/20:55:16.9		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-364/20:46:07.4
8523	M1O	03-364/20:55:41.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
8524	M1O	03-364/20:56:21.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-364/20:47:12.2
8525	M1O	03-364/20:56:22.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-364/20:47:13.2
8526	M1O	03-364/20:56:23.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-364/20:47:14.2
8527	M1O	03-364/20:56:24.7		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-364/20:47:15.2
8528	M1O	03-364/20:56:25.7		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-364/20:47:16.2
8529	M1O	03-364/20:56:26.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-364/20:47:17.2
8530	M1O	03-364/20:56:27.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/20:47:18.2
8531	M1O	03-364/20:57:17.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/20:48:08.2
8532	M1O	03-364/20:57:27.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-364/20:48:18.2
8533	M1O	03-364/20:59:28.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/20:50:19.2
8534	M1O	03-364/20:59:29.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/20:50:20.2
8535	M1O	03-364/21:01:28.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/20:52:19.2
8536	M1O	03-364/21:01:29.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/20:52:20.2
8537	M1O	03-364/21:03:28.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/20:54:19.2
8538	M1O	03-364/21:03:29.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/20:54:20.2
8539	M1O	03-364/21:05:28.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/20:56:19.2
8540	M1O	03-364/21:05:29.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/20:56:20.2
8541	M1O	03-364/21:05:41.0	63	Range Modulation Off		
8542	M1O	03-364/21:07:28.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/20:58:19.2
8543	M1O	03-364/21:07:29.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/20:58:20.2
8544	M1O	03-364/21:07:48.3		NOTE: Enter Solar Eclipse 9066		03-364/20:58:38.7
8545	M1O	03-364/21:08:40.8		NOTE: Ascending Node Crossing 9066		03-364/20:59:31.2
8546	M1O	03-364/21:09:28.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/21:00:19.2
8547	M1O	03-364/21:09:29.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/21:00:20.2
8548	M1O	03-364/21:10:41.0	63	X-Band Transmitter Off		
8549	M1O	03-364/21:11:28.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/21:02:19.2
8550	M1O	03-364/21:11:29.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/21:02:20.2
8551	M1O	03-364/21:13:28.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/21:04:19.2
8552	M1O	03-364/21:13:29.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/21:04:20.2
8553	M1O	03-364/21:15:28.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/21:06:19.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8554	M1O	03-364/21:15:29.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/21:06:20.2
8555	M1O	03-364/21:17:28.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/21:08:19.2
8556	M1O	03-364/21:17:29.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/21:08:20.2
8557	M1O	03-364/21:19:28.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/21:10:19.2
8558	M1O	03-364/21:19:29.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/21:10:20.2
8559	M1O	03-364/21:21:28.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/21:12:19.2
8560	M1O	03-364/21:21:29.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/21:12:20.2
8561	M1O	03-364/21:23:28.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/21:14:19.2
8562	M1O	03-364/21:23:29.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/21:14:20.2
8563	M1O	03-364/21:25:28.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/21:16:19.2
8564	M1O	03-364/21:25:29.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/21:16:20.2
8565	M1O	03-364/21:27:28.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/21:18:19.2
8566	M1O	03-364/21:27:29.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-364/21:18:20.2
8567	M1O	03-364/21:27:57.4		SPAWN, Engine = 65535, Parameters = 3, 00:34:30, 1	dpt	03-364/21:18:47.8
8568	M1O	03-364/21:27:59.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/21:18:49.9
8569	M1O	03-364/21:28:00.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-364/21:18:50.9
8570	M1O	03-364/21:28:25.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-364/21:19:16.2
8571	M1O	03-364/21:28:26.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-364/21:19:17.3
8572	M1O	03-364/21:28:36.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-364/21:19:27.3
8573	M1O	03-364/21:28:37.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-364/21:19:28.3
8574	M1O	03-364/21:28:38.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-364/21:19:29.3
8575	M1O	03-364/21:28:38.9	15	D/L Change: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8576	M1O	03-364/21:28:38.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8577	M1O	03-364/21:28:39.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-364/21:19:30.3
8578	M1O	03-364/21:29:00.1	15	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8579	M1O	03-364/21:29:00.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8580	M1O	03-364/21:29:00.6		NOTE: ENTER HGA KEEP OUT ZONE		
8581	M1O	03-364/21:29:00.6	15	NOTE: Loss Of X-Band Signal		
8582	M1O	03-364/21:29:00.6	63	NOTE: Loss Of X-Band Signal		
8583	M1O	03-364/21:29:26.3		NOTE: Exit Solar Eclipse 9066		03-364/21:20:16.7
8584	M1O	03-364/21:36:17.2		NOTE: Enter Planetary Atmosphere 9066		03-364/21:27:07.6
8585	M1O	03-364/21:37:47.9		NOTE: Enter Earth Occultation 9066		03-364/21:28:38.3
8586	M1O	03-364/21:38:34.9		NOTE: North Pole Crossing 9066		03-364/21:29:25.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8587	M1O	03-364/21:39:11.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8588	M1O	03-364/21:40:57.4		NOTE: Apoapsis 9066 -		03-364/21:31:47.7
8589	M1O	03-364/21:44:11.0	63	Range Modulation On: SUP=3.0dB		
8590	M1O	03-364/21:45:11.0	63	Begin Ranging Acquisition		
8591	M1O	03-364/21:49:20.6		NOTE: EXIT HGA KEEP OUT ZONE		
8592	M1O	03-364/21:56:57.8		NOTE: Exit Earth Occultation 9066		03-364/21:47:48.1
8593	M1O	03-364/21:56:57.8	15	Acquisition Of X-Band Signal		
8594	M1O	03-364/21:56:57.8	15	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8595	M1O	03-364/21:56:57.8	63	Acquisition Of X-Band Signal		
8596	M1O	03-364/21:56:57.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8597	M1O	03-364/21:57:30.2	15	Acquire D/L: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8598	M1O	03-364/21:57:30.2	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8599	M1O	03-364/21:58:29.5		NOTE: Exit Planetary Atmosphere 9066		03-364/21:49:19.8
8600	M1O	03-364/22:02:29.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-364/21:53:19.9
8601	M1O	03-364/22:02:29.7	15	D/L Change: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8602	M1O	03-364/22:02:29.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8603	M1O	03-364/22:02:30.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-364/21:53:20.9
8604	M1O	03-364/22:08:33.1		NOTE: Descending Node Crossing 9067		03-364/21:59:23.4
8605	M1O	03-364/22:37:54.1		NOTE: South Pole Crossing 9067		03-364/22:28:44.3
8606	M1O	03-364/22:39:25.3		NOTE: Periapsis 9067 ----------		03-364/22:30:15.4
8607	M1O	03-364/22:54:13.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
8608	M1O	03-364/23:04:13.0	63	Range Modulation Off		
8609	M1O	03-364/23:06:18.5		NOTE: Enter Solar Eclipse 9067		03-364/22:57:08.6
8610	M1O	03-364/23:07:11.3		NOTE: Ascending Node Crossing 9067		03-364/22:58:01.3
8611	M1O	03-364/23:09:13.0	63	X-Band Transmitter Off		
8612	M1O	03-364/23:21:40.0	63	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
8613	M1O	03-364/23:26:29.8		SPAWN, Engine = 65535, Parameters = 3, 00:33:55.898, 1	dpt	03-364/23:17:19.8
8614	M1O	03-364/23:26:31.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-364/23:17:21.9
8615	M1O	03-364/23:26:31.9	15	D/L Change: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8616	M1O	03-364/23:26:31.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8617	M1O	03-364/23:26:32.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-364/23:17:22.9
8618	M1O	03-364/23:27:32.8	15	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8619	M1O	03-364/23:27:32.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8620	M1O	03-364/23:27:32.9		NOTE: ENTER HGA KEEP OUT ZONE		
8621	M1O	03-364/23:27:32.9	15	NOTE: Loss Of X-Band Signal		
8622	M1O	03-364/23:27:32.9	63	NOTE: Loss Of X-Band Signal		
8623	M1O	03-364/23:27:55.2		NOTE: Exit Solar Eclipse 9067		03-364/23:18:45.2
8624	M1O	03-364/23:30:48.0	63	NOTE: Below Uplink Interlock Limit		
8625	M1O	03-364/23:34:50.0		NOTE: Enter Planetary Atmosphere 9067		03-364/23:25:40.0
8626	M1O	03-364/23:36:20.9		NOTE: Enter Earth Occultation 9067		03-364/23:27:10.9
8627	M1O	03-364/23:37:06.1		NOTE: North Pole Crossing 9067		03-364/23:27:56.1
8628	M1O	03-364/23:39:16.7		NOTE: Apoapsis 9067 -		03-364/23:30:06.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8629	M1O	03-364/23:40:00.0	63	End Tracking		
8630	M1O	03-364/23:40:01.0		NOTE: Changing to 34M (HEF) downlink rate: 66360_BPS		03-364/23:30:51.0
8631	M1O	03-364/23:40:01.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 66360_BPS	DOWNLINK_RATE	03-364/23:30:51.0
8632	M1O	03-364/23:47:53.0		NOTE: EXIT HGA KEEP OUT ZONE		
8633	M1O	03-364/23:55:00.0	63	End Post-Cal		
8634	M1O	03-364/23:55:27.8		NOTE: Exit Earth Occultation 9067		03-364/23:46:17.7
8635	M1O	03-364/23:55:27.8	15	Acquisition Of X-Band Signal		
8636	M1O	03-364/23:55:27.8	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8637	M1O	03-364/23:56:59.8		NOTE: Exit Planetary Atmosphere 9067		03-364/23:47:49.7
8638	M1O	03-365/00:00:00.0		Light Time: OWLT = 09:10, RTLT = 18:20		
8639	M1O	03-365/00:00:00.0	26	Begin Pre-Cal		
8640	M1O	03-365/00:00:00.0	26	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
8641	M1O	03-365/00:00:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
8642	M1O	03-365/00:00:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
8643	M1O	03-365/00:00:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8644	M1O	03-365/00:00:00.0	26	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
8645	M1O	03-365/00:00:00.0	26	Config: RCV: Parms:		
8646	M1O	03-365/00:00:00.0	26	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
8647	M1O	03-365/00:00:00.0	26	Config: TGC: BAND=X, SR=132720.000000		
8648	M1O	03-365/00:00:00.0	26	Config: TXL		
8649	M1O	03-365/00:00:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
8650	M1O	03-365/00:00:00.0	26	Config: CMD		
8651	M1O	03-365/00:00:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
8652	M1O	03-365/00:00:27.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-364/23:51:17.8
8653	M1O	03-365/00:00:27.9	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8654	M1O	03-365/00:00:28.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-364/23:51:18.8
8655	M1O	03-365/00:07:04.9		NOTE: Descending Node Crossing 9068		03-364/23:57:54.8
8656	M1O	03-365/00:36:25.7		NOTE: South Pole Crossing 9068		03-365/00:27:15.6
8657	M1O	03-365/00:37:35.6		NOTE: Periapsis 9068 ----------		03-365/00:28:25.4
8658	M1O	03-365/00:45:00.0	26	Begin Tracking		
8659	M1O	03-365/00:45:00.0	26	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8660	M1O	03-365/00:46:00.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8661	M1O	03-365/00:51:00.0	26	Range Modulation On: SUP=3.0dB		
8662	M1O	03-365/00:52:00.0	26	Begin Ranging Acquisition		
8663	M1O	03-365/00:52:44.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
8664	M1O	03-365/01:02:44.0	26	Range Modulation Off		
8665	M1O	03-365/01:03:18.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-365/00:54:07.9
8666	M1O	03-365/01:03:20.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/00:54:10.0
8667	M1O	03-365/01:03:20.3	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8668	M1O	03-365/01:03:20.3	26	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8669	M1O	03-365/01:03:21.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-365/00:54:11.0
8670	M1O	03-365/01:04:20.4	15	Acquire D/L: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8671	M1O	03-365/01:04:20.4	26	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8672	M1O	03-365/01:04:52.6		NOTE: Enter Solar Eclipse 9068		03-365/00:55:42.4
8673	M1O	03-365/01:05:43.5		NOTE: Ascending Node Crossing 9068		03-365/00:56:33.3
8674	M1O	03-365/01:07:44.0	26	X-Band Transmitter Off		
8675	M1O	03-365/01:09:20.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-365/01:00:10.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8676	M1O	03-365/01:09:20.3	15	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8677	M1O	03-365/01:09:20.3	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8678	M1O	03-365/01:09:21.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-365/01:00:11.0
8679	M1O	03-365/01:25:02.3		SPAWN, Engine = 65535, Parameters = 3, 00:34:24, 1	dpt	03-365/01:15:51.9
8680	M1O	03-365/01:25:04.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/01:15:54.0
8681	M1O	03-365/01:25:04.4	15	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8682	M1O	03-365/01:25:04.4	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8683	M1O	03-365/01:25:05.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-365/01:15:55.0
8684	M1O	03-365/01:26:04.5	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8685	M1O	03-365/01:26:04.5	26	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8686	M1O	03-365/01:26:05.3		NOTE: ENTER HGA KEEP OUT ZONE		
8687	M1O	03-365/01:26:05.3	15	NOTE: Loss Of X-Band Signal		
8688	M1O	03-365/01:26:05.3	26	NOTE: Loss Of X-Band Signal		
8689	M1O	03-365/01:26:22.8		NOTE: Exit Solar Eclipse 9068		03-365/01:17:12.5
8690	M1O	03-365/01:33:28.5		NOTE: Enter Planetary Atmosphere 9068		03-365/01:24:18.1
8691	M1O	03-365/01:35:00.1		NOTE: Enter Earth Occultation 9068		03-365/01:25:49.7
8692	M1O	03-365/01:35:39.4		NOTE: North Pole Crossing 9068		03-365/01:26:29.1
8693	M1O	03-365/01:36:08.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8694	M1O	03-365/01:37:31.2		NOTE: Apoapsis 9068 -		03-365/01:28:20.8
8695	M1O	03-365/01:41:08.0	26	Range Modulation On: SUP=3.0dB		
8696	M1O	03-365/01:42:08.0	26	Begin Ranging Acquisition		
8697	M1O	03-365/01:46:25.4		NOTE: EXIT HGA KEEP OUT ZONE		
8698	M1O	03-365/01:53:57.4		NOTE: Exit Earth Occultation 9068		03-365/01:44:46.9
8699	M1O	03-365/01:53:57.4	15	Acquisition Of X-Band Signal		
8700	M1O	03-365/01:53:57.4	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8701	M1O	03-365/01:53:57.4	26	Acquisition Of X-Band Signal		
8702	M1O	03-365/01:53:57.4	26	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8703	M1O	03-365/01:54:28.7	15	Acquire D/L: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8704	M1O	03-365/01:54:28.7	26	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8705	M1O	03-365/01:55:30.0		NOTE: Exit Planetary Atmosphere 9068		03-365/01:46:19.6
8706	M1O	03-365/01:55:38.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
8707	M1O	03-365/01:59:28.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-365/01:50:18.0
8708	M1O	03-365/01:59:28.5	15	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8709	M1O	03-365/01:59:28.5	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8710	M1O	03-365/01:59:29.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-365/01:50:19.0
8711	M1O	03-365/02:05:38.0	26	Range Modulation Off		
8712	M1O	03-365/02:05:38.9		NOTE: Descending Node Crossing 9069		03-365/01:56:28.4
8713	M1O	03-365/02:10:38.0	26	X-Band Transmitter Off		
8714	M1O	03-365/02:18:39.5		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	03-365/02:09:29.0
8715	M1O	03-365/02:18:39.6		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-365/02:09:29.1
8716	M1O	03-365/02:18:40.6		Forces a desaturation of the reaction wheels.	RW_DESAT	03-365/02:09:30.1
8717	M1O	03-365/02:20:48.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, TRUE	cend	03-365/02:11:38.0
8718	M1O	03-365/02:21:04.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-363T02:11:38.100, 2003-365T02:11:38.100	PCKTS_RE_TX_TIME	03-365/02:11:53.8
8719	M1O	03-365/02:21:05.3		Queues in the retransmit buffer, by time range, designated packet from the specified	PCKTS_RE_TX_TIME	03-365/02:11:54.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 7, 2003-363T02:11:38.100, 2003-365T02:11:38.100		
8720	M1O	03-365/02:21:06.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-363T02:11:38.100, 2003-365T02:11:38.100	PCKTS_RE_TX_TIME	03-365/02:11:55.8
8721	M1O	03-365/02:21:07.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-363T02:11:38.100, 2003-365T02:11:38.100	PCKTS_RE_TX_TIME	03-365/02:11:56.8
8722	M1O	03-365/02:21:08.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-363T02:11:38.100, 2003-365T02:11:38.100	PCKTS_RE_TX_TIME	03-365/02:11:57.8
8723	M1O	03-365/02:21:09.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-363T02:11:38.100, 2003-365T02:11:38.100	PCKTS_RE_TX_TIME	03-365/02:11:58.8
8724	M1O	03-365/02:21:09.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-365/02:11:58.8
8725	M1O	03-365/02:21:09.3	15	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8726	M1O	03-365/02:21:09.3	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8727	M1O	03-365/02:28:10.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/02:18:59.8
8728	M1O	03-365/02:28:10.3	15	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8729	M1O	03-365/02:28:10.3	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8730	M1O	03-365/02:28:11.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-365/02:19:00.8
8731	M1O	03-365/02:28:41.3		Turns power OFF or ON to the SDST exciter on the active telecom side.: OFF	SDST_EXCITER	03-365/02:19:30.8
8732	M1O	03-365/02:28:41.3	15	NOTE: Loss Of X-Band Signal		
8733	M1O	03-365/02:28:41.3	26	NOTE: Loss Of X-Band Signal		
8734	M1O	03-365/02:28:51.3		Turns power OFF or ON to the SSPA assigned as active.: OFF	SSPA_POWER	03-365/02:19:40.8
8735	M1O	03-365/02:28:52.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-365/02:19:41.8
8736	M1O	03-365/02:28:53.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-365/02:19:42.8
8737	M1O	03-365/02:30:10.6		CALL, Engine = , Parameters = FALSE	park_hga	03-365/02:21:00.1
8738	M1O	03-365/02:30:10.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/02:21:00.1
8739	M1O	03-365/02:30:11.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-365/02:21:01.1
8740	M1O	03-365/02:30:12.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-365/02:21:02.1
8741	M1O	03-365/02:30:12.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-365/02:21:02.1
8742	M1O	03-365/02:30:12.6		NOTE: START HGA PARK		
8743	M1O	03-365/02:30:13.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-365/02:21:03.1
8744	M1O	03-365/02:30:14.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-365/02:21:04.1
8745	M1O	03-365/02:34:44.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	03-365/02:25:34.1
8746	M1O	03-365/02:35:00.0	34	Begin Pre-Cal		
8747	M1O	03-365/02:35:00.0	34	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
8748	M1O	03-365/02:35:00.0	34	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
8749	M1O	03-365/02:35:00.0	34	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
8750	M1O	03-365/02:35:00.0	34	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8751	M1O	03-365/02:35:00.0	34	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
8752	M1O	03-365/02:35:00.0	34	Config: RCV: Parms:		
8753	M1O	03-365/02:35:00.0	34	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
8754	M1O	03-365/02:35:00.0	34	Config: TGC: BAND=X, SR=132720.000000		
8755	M1O	03-365/02:35:00.0	34	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
8756	M1O	03-365/02:35:01.1		NOTE: South Pole Crossing 9069		03-365/02:25:50.5
8757	M1O	03-365/02:36:19.4		NOTE: Periapsis 9069 ----------		03-365/02:27:08.9
8758	M1O	03-365/02:38:14.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-365/02:29:04.1
8759	M1O	03-365/02:38:14.6		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-365/02:29:04.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8760	M1O	03-365/03:03:29.7		NOTE: Enter Solar Eclipse 9069		03-365/02:54:19.1
8761	M1O	03-365/03:04:19.9		NOTE: Ascending Node Crossing 9069		03-365/02:55:09.3
8762	M1O	03-365/03:08:14.6		GV: GV_DESAT_ACTIVE = 1		03-365/02:59:04.0
8763	M1O	03-365/03:08:15.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	03-365/02:59:05.0
8764	M1O	03-365/03:08:15.6		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-365/02:59:05.0
8765	M1O	03-365/03:18:14.6		GV: GV_DESAT_ACTIVE = 0		03-365/03:09:04.0
8766	M1O	03-365/03:18:15.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	03-365/03:09:05.0
8767	M1O	03-365/03:18:16.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-365/03:09:06.0
8768	M1O	03-365/03:18:17.6		CALL, Engine = , Parameters =	unpark_hga	03-365/03:09:07.0
8769	M1O	03-365/03:18:17.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-365/03:09:07.0
8770	M1O	03-365/03:18:18.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	03-365/03:09:08.0
8771	M1O	03-365/03:22:48.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	03-365/03:13:38.0
8772	M1O	03-365/03:22:49.6		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	03-365/03:13:39.0
8773	M1O	03-365/03:24:38.7		NOTE: ENTER HGA KEEP OUT ZONE		
8774	M1O	03-365/03:24:56.5		NOTE: Exit Solar Eclipse 9069		03-365/03:15:45.8
8775	M1O	03-365/03:26:49.6		NOTE: EXIT HGA PARK		
8776	M1O	03-365/03:32:06.7		NOTE: Enter Planetary Atmosphere 9069		03-365/03:22:56.0
8777	M1O	03-365/03:33:38.8		NOTE: Enter Earth Occultation 9069		03-365/03:24:28.1
8778	M1O	03-365/03:34:15.5		NOTE: North Pole Crossing 9069		03-365/03:25:04.8
8779	M1O	03-365/03:34:41.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8780	M1O	03-365/03:36:27.7		NOTE: Apoapsis 9069 -		03-365/03:27:16.9
8781	M1O	03-365/03:39:41.0	26	Range Modulation On: SUP=3.0dB		
8782	M1O	03-365/03:40:41.0	26	Begin Ranging Acquisition		
8783	M1O	03-365/03:44:58.7		NOTE: EXIT HGA KEEP OUT ZONE		
8784	M1O	03-365/03:52:05.4		SPAWN, Engine = 65535, Parameters = 00:05:31.373	cstr	03-365/03:42:54.6
8785	M1O	03-365/03:52:05.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/03:42:54.7
8786	M1O	03-365/03:52:06.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-365/03:42:55.7
8787	M1O	03-365/03:52:07.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-365/03:42:56.7
8788	M1O	03-365/03:52:08.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-365/03:42:57.7
8789	M1O	03-365/03:52:09.5		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-365/03:42:58.7
8790	M1O	03-365/03:52:19.5		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-365/03:43:08.7
8791	M1O	03-365/03:52:29.5		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-365/03:43:18.7
8792	M1O	03-365/03:52:30.4		NOTE: Exit Earth Occultation 9069		03-365/03:43:19.6
8793	M1O	03-365/03:52:30.4	15	Acquisition Of X-Band Signal		
8794	M1O	03-365/03:52:30.4	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8795	M1O	03-365/03:52:30.4	26	Acquisition Of X-Band Signal		
8796	M1O	03-365/03:52:30.4	26	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8797	M1O	03-365/03:53:02.4	15	Acquire D/L: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8798	M1O	03-365/03:53:02.4	26	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8799	M1O	03-365/03:54:03.4		NOTE: Exit Planetary Atmosphere 9069		03-365/03:44:52.6
8800	M1O	03-365/03:58:00.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-365/03:48:50.0
8801	M1O	03-365/03:58:01.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-365/03:48:51.0
8802	M1O	03-365/03:58:01.8	15	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
8803	M1O	03-365/03:58:01.8	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8804	M1O	03-365/03:58:02.8		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-365/03:48:52.0
8805	M1O	03-365/04:04:15.0		NOTE: Descending Node Crossing 9070		03-365/03:55:04.2
8806	M1O	03-365/04:05:00.0	34	Begin Tracking		
8807	M1O	03-365/04:05:00.0	34	Acquire D/L: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8808	M1O	03-365/04:33:38.2		NOTE: South Pole Crossing 9070		03-365/04:24:27.3
8809	M1O	03-365/04:35:24.7		NOTE: Periapsis 9070 ----------		03-365/04:26:13.8
8810	M1O	03-365/04:49:53.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
8811	M1O	03-365/04:59:53.0	26	Range Modulation Off		
8812	M1O	03-365/05:02:05.6		NOTE: Enter Solar Eclipse 9070		03-365/04:52:54.6
8813	M1O	03-365/05:02:57.2		NOTE: Ascending Node Crossing 9070		03-365/04:53:46.2
8814	M1O	03-365/05:04:53.0	26	X-Band Transmitter Off		
8815	M1O	03-365/05:22:12.0		SPAWN, Engine = 65535, Parameters = 3, 00:34:23, 1	dpt	03-365/05:13:00.9
8816	M1O	03-365/05:22:14.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/05:13:03.0
8817	M1O	03-365/05:22:14.1	15	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8818	M1O	03-365/05:22:14.1	34	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8819	M1O	03-365/05:22:14.1	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8820	M1O	03-365/05:22:15.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-365/05:13:04.0
8821	M1O	03-365/05:23:15.0	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8822	M1O	03-365/05:23:15.0	34	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8823	M1O	03-365/05:23:15.0	26	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8824	M1O	03-365/05:23:15.0		NOTE: ENTER HGA KEEP OUT ZONE		
8825	M1O	03-365/05:23:15.0	15	NOTE: Loss Of X-Band Signal		
8826	M1O	03-365/05:23:15.0	34	NOTE: Loss Of X-Band Signal		
8827	M1O	03-365/05:23:15.0	26	NOTE: Loss Of X-Band Signal		
8828	M1O	03-365/05:23:33.3		NOTE: Exit Solar Eclipse 9070		03-365/05:14:22.3
8829	M1O	03-365/05:30:43.2		NOTE: Enter Planetary Atmosphere 9070		03-365/05:21:32.1
8830	M1O	03-365/05:32:15.4		NOTE: Enter Earth Occultation 9070		03-365/05:23:04.3
8831	M1O	03-365/05:32:52.3		NOTE: North Pole Crossing 9070		03-365/05:23:41.2
8832	M1O	03-365/05:33:16.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8833	M1O	03-365/05:35:38.9		NOTE: Apoapsis 9070 -		03-365/05:26:27.8
8834	M1O	03-365/05:38:16.0	26	Range Modulation On: SUP=3.0dB		
8835	M1O	03-365/05:39:16.0	26	Begin Ranging Acquisition		
8836	M1O	03-365/05:43:35.1		NOTE: EXIT HGA KEEP OUT ZONE		
8837	M1O	03-365/05:51:05.4		NOTE: Exit Earth Occultation 9070		03-365/05:41:54.3
8838	M1O	03-365/05:51:05.4	15	Acquisition Of X-Band Signal		
8839	M1O	03-365/05:51:05.4	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8840	M1O	03-365/05:51:05.4	34	Acquisition Of X-Band Signal		
8841	M1O	03-365/05:51:05.4	34	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8842	M1O	03-365/05:51:05.4	26	Acquisition Of X-Band Signal		
8843	M1O	03-365/05:51:05.4	26	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8844	M1O	03-365/05:51:38.1	15	Acquire D/L: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8845	M1O	03-365/05:51:38.1	34	Acquire D/L: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8846	M1O	03-365/05:51:38.1	26	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8847	M1O	03-365/05:52:38.5		NOTE: Exit Planetary Atmosphere 9070		03-365/05:43:27.4
8848	M1O	03-365/05:56:37.2		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	03-365/05:47:26.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
8849	M1O	03-365/05:56:37.2	15	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8850	M1O	03-365/05:56:37.2	34	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8851	M1O	03-365/05:56:37.2	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8852	M1O	03-365/05:56:38.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-365/05:47:27.0
8853	M1O	03-365/06:02:52.0		NOTE: Descending Node Crossing 9071		03-365/05:53:40.8
8854	M1O	03-365/06:32:14.9		NOTE: South Pole Crossing 9071		03-365/06:23:03.6
8855	M1O	03-365/06:34:18.8		NOTE: Periapsis 9071 ----------		03-365/06:25:07.5
8856	M1O	03-365/06:35:00.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
8857	M1O	03-365/06:45:00.0	26	Range Modulation Off		
8858	M1O	03-365/06:50:00.0	26	X-Band Transmitter Off		
8859	M1O	03-365/06:51:37.2	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
8860	M1O	03-365/06:58:58.1		SPAWN, Engine = 65535, Parameters = 3, 00:14:22.305, 1	dpt	03-365/06:49:46.7
8861	M1O	03-365/06:59:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/06:49:48.8
8862	M1O	03-365/06:59:00.2	15	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8863	M1O	03-365/06:59:00.2	34	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8864	M1O	03-365/06:59:00.2	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8865	M1O	03-365/06:59:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-365/06:49:49.8
8866	M1O	03-365/07:00:00.0	15	End Tracking		
8867	M1O	03-365/07:00:00.1		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		03-365/06:50:48.7
8868	M1O	03-365/07:00:00.1		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	03-365/06:50:48.7
8869	M1O	03-365/07:00:00.1	34	D/L Change: X/08, 3-Way/26, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8870	M1O	03-365/07:00:00.1	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8871	M1O	03-365/07:00:39.3		NOTE: Enter Solar Eclipse 9071		03-365/06:51:27.9
8872	M1O	03-365/07:01:07.0	26	NOTE: Below Uplink Interlock Limit		
8873	M1O	03-365/07:01:32.9		NOTE: Ascending Node Crossing 9071		03-365/06:52:21.5
8874	M1O	03-365/07:08:22.6	34	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8875	M1O	03-365/07:08:22.6	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8876	M1O	03-365/07:09:11.3		SPAWN, Engine = 65535, Parameters =	scdiag	03-365/07:00:00.0
8877	M1O	03-365/07:09:12.4		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	03-365/07:00:01.1
8878	M1O	03-365/07:09:13.4		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	03-365/07:00:02.1
8879	M1O	03-365/07:10:00.0	26	End Tracking		
8880	M1O	03-365/07:10:14.3		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-365/07:01:03.0
8881	M1O	03-365/07:10:14.5		NOTE: Start Block fsw_diag		03-365/07:01:03.2
8882	M1O	03-365/07:10:15.5		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	03-365/07:01:04.2
8883	M1O	03-365/07:10:16.5		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	03-365/07:01:05.2
8884	M1O	03-365/07:10:27.5		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	03-365/07:01:16.2
8885	M1O	03-365/07:10:57.5		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	03-365/07:01:46.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8886	M1O	03-365/07:11:17.5		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	03-365/07:02:06.2
8887	M1O	03-365/07:11:27.5		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	03-365/07:02:16.2
8888	M1O	03-365/07:11:47.6		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	03-365/07:02:36.2
8889	M1O	03-365/07:11:57.6		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	03-365/07:02:46.2
8890	M1O	03-365/07:12:02.6		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	03-365/07:02:51.2
8891	M1O	03-365/07:12:07.6		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	03-365/07:02:56.2
8892	M1O	03-365/07:12:12.6		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	03-365/07:03:01.2
8893	M1O	03-365/07:12:17.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	03-365/07:03:06.2
8894	M1O	03-365/07:12:22.6		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	03-365/07:03:11.2
8895	M1O	03-365/07:13:02.6		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	03-365/07:03:51.2
8896	M1O	03-365/07:13:07.6		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	03-365/07:03:56.2
8897	M1O	03-365/07:13:12.6		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	03-365/07:04:01.2
8898	M1O	03-365/07:13:17.6		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	03-365/07:04:06.2
8899	M1O	03-365/07:13:22.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-365/07:04:11.1
8900	M1O	03-365/07:13:22.6	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8901	M1O	03-365/07:13:22.6		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	03-365/07:04:11.2
8902	M1O	03-365/07:13:23.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-365/07:04:12.1
8903	M1O	03-365/07:13:23.6		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	03-365/07:04:12.2
8904	M1O	03-365/07:13:24.6		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	03-365/07:04:13.2
8905	M1O	03-365/07:13:25.6		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-365/07:04:14.2
8906	M1O	03-365/07:13:36.6		NOTE: End Block fsw_diag.mod		03-365/07:04:25.2
8907	M1O	03-365/07:15:00.0	15	End Post-Cal		
8908	M1O	03-365/07:20:50.4		SPAWN, Engine = 65535, Parameters = 3, 00:33:49.699, 1	dpt	03-365/07:11:39.0
8909	M1O	03-365/07:20:52.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/07:11:41.1
8910	M1O	03-365/07:20:52.5	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8911	M1O	03-365/07:20:53.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-365/07:11:42.1
8912	M1O	03-365/07:21:52.4		NOTE: ENTER HGA KEEP OUT ZONE		
8913	M1O	03-365/07:21:52.4	34	NOTE: Loss Of X-Band Signal		
8914	M1O	03-365/07:22:10.1		NOTE: Exit Solar Eclipse 9071		03-365/07:12:58.7
8915	M1O	03-365/07:25:00.0	26	End Post-Cal		
8916	M1O	03-365/07:29:17.0		NOTE: Enter Planetary Atmosphere 9071		03-365/07:20:05.6
8917	M1O	03-365/07:30:49.1		NOTE: Enter Earth Occultation 9071		03-365/07:21:37.6
8918	M1O	03-365/07:31:28.0		NOTE: North Pole Crossing 9071		03-365/07:22:16.6
8919	M1O	03-365/07:34:20.2		NOTE: Apoapsis 9071 -		03-365/07:25:08.8
8920	M1O	03-365/07:42:12.4		NOTE: EXIT HGA KEEP OUT ZONE		
8921	M1O	03-365/07:49:42.2		NOTE: Exit Earth Occultation 9071		03-365/07:40:30.6
8922	M1O	03-365/07:49:42.2	34	Acquisition Of X-Band Signal		
8923	M1O	03-365/07:49:42.2	34	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8924	M1O	03-365/07:51:11.5		SPAWN, Engine = 65535, Parameters = 365, 01, TRUE, 00:09:54.594, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-365/07:42:00.0
8925	M1O	03-365/07:51:12.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-365/07:42:01.1
8926	M1O	03-365/07:51:14.6		CALL, Engine = , Parameters = 56	get_cmd_opt	03-365/07:42:03.1
8927	M1O	03-365/07:51:14.9		CALL, Engine = , Parameters = 365, 01, 056	bld_autosw	03-365/07:42:03.4
8928	M1O	03-365/07:51:15.1		NOTE: Exit Planetary Atmosphere 9071		03-365/07:42:03.6
8929	M1O	03-365/07:51:16.0		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-365/07:42:04.5
8930	M1O	03-365/07:51:17.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/07:42:05.6
8931	M1O	03-365/07:51:18.1		Deletes the designated file.: d:/dat/056_doy365_pass01_file01.dat	FILE_DELETE	03-365/07:42:06.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8932	M1O	03-365/07:51:19.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/07:42:07.7
8933	M1O	03-365/07:51:20.2		Deletes the designated file.: d:/dat/056_doy365_pass01_file02.dat	FILE_DELETE	03-365/07:42:08.7
8934	M1O	03-365/07:51:21.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/07:42:09.8
8935	M1O	03-365/07:51:22.3		Deletes the designated file.: d:/dat/056_doy365_pass01_file03.dat	FILE_DELETE	03-365/07:42:10.8
8936	M1O	03-365/07:51:23.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/07:42:11.9
8937	M1O	03-365/07:51:24.4		Deletes the designated file.: d:/dat/056_doy365_pass01_file04.dat	FILE_DELETE	03-365/07:42:12.9
8938	M1O	03-365/07:51:25.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/07:42:14.0
8939	M1O	03-365/07:51:26.5		Deletes the designated file.: d:/dat/056_doy365_pass01_file05.dat	FILE_DELETE	03-365/07:42:15.0
8940	M1O	03-365/07:51:27.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/07:42:16.1
8941	M1O	03-365/07:51:28.6		Deletes the designated file.: d:/dat/056_doy365_pass01_file06.dat	FILE_DELETE	03-365/07:42:17.1
8942	M1O	03-365/07:51:29.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/07:42:18.2
8943	M1O	03-365/07:51:30.7		Deletes the designated file.: d:/dat/056_doy365_pass01_file07.dat	FILE_DELETE	03-365/07:42:19.2
8944	M1O	03-365/07:51:31.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/07:42:20.3
8945	M1O	03-365/07:51:32.8		Deletes the designated file.: d:/dat/056_doy365_pass01_file08.dat	FILE_DELETE	03-365/07:42:21.3
8946	M1O	03-365/07:51:33.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/07:42:22.4
8947	M1O	03-365/07:51:34.9		Deletes the designated file.: d:/dat/056_doy365_pass01_file09.dat	FILE_DELETE	03-365/07:42:23.4
8948	M1O	03-365/07:51:36.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/07:42:24.5
8949	M1O	03-365/07:51:37.0		Deletes the designated file.: d:/dat/056_doy365_pass01_file10.dat	FILE_DELETE	03-365/07:42:25.5
8950	M1O	03-365/07:51:38.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/07:42:26.6
8951	M1O	03-365/07:51:39.1		Deletes the designated file.: d:/dat/056_doy365_pass01_file11.dat	FILE_DELETE	03-365/07:42:27.6
8952	M1O	03-365/07:51:40.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/07:42:28.7
8953	M1O	03-365/07:51:41.2		Deletes the designated file.: d:/dat/056_doy365_pass01_file12.dat	FILE_DELETE	03-365/07:42:29.7
8954	M1O	03-365/07:51:42.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/07:42:30.8
8955	M1O	03-365/07:51:43.3		Deletes the designated file.: d:/dat/056_doy365_pass01_file13.dat	FILE_DELETE	03-365/07:42:31.8
8956	M1O	03-365/07:51:44.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/07:42:32.9
8957	M1O	03-365/07:51:45.4		Deletes the designated file.: d:/dat/056_doy365_pass01_file14.dat	FILE_DELETE	03-365/07:42:33.9
8958	M1O	03-365/07:51:46.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/07:42:35.0
8959	M1O	03-365/07:51:47.5		Deletes the designated file.: d:/dat/056_doy365_pass01_file15.dat	FILE_DELETE	03-365/07:42:36.0
8960	M1O	03-365/07:51:48.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/07:42:37.1
8961	M1O	03-365/07:51:49.6		Deletes the designated file.: d:/dat/056_doy365_pass01_file16.dat	FILE_DELETE	03-365/07:42:38.1
8962	M1O	03-365/07:51:50.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/07:42:39.2
8963	M1O	03-365/07:51:51.7		Deletes the designated file.: d:/dat/056_doy365_pass01_file17.dat	FILE_DELETE	03-365/07:42:40.2
8964	M1O	03-365/07:51:52.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/07:42:41.3
8965	M1O	03-365/07:51:53.8		Deletes the designated file.: d:/dat/056_doy365_pass01_file18.dat	FILE_DELETE	03-365/07:42:42.3
8966	M1O	03-365/07:51:54.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/07:42:43.4
8967	M1O	03-365/07:51:55.9		Deletes the designated file.: d:/dat/056_doy365_pass01_file19.dat	FILE_DELETE	03-365/07:42:44.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8968	M1O	03-365/07:51:56.9		CALL, Engine = , Parameters = 56	get_apid	03-365/07:42:45.4
8969	M1O	03-365/07:51:58.0		CALL, Engine = , Parameters = 56	get_rcv_mode	03-365/07:42:46.5
8970	M1O	03-365/07:51:58.2		CALL, Engine = , Parameters = 56	get_dl_rate	03-365/07:42:46.7
8971	M1O	03-365/07:51:59.3		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-365/07:42:47.8
8972	M1O	03-365/07:52:00.5		CALL, Engine = , Parameters = 56	get_coding	03-365/07:42:49.0
8973	M1O	03-365/07:52:01.7		CALL, Engine = , Parameters = 56	get_xmt_mode	03-365/07:42:50.2
8974	M1O	03-365/07:52:02.9		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-365/07:42:51.4
8975	M1O	03-365/07:53:07.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-365/07:43:56.2
8976	M1O	03-365/07:53:08.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-365/07:43:57.2
8977	M1O	03-365/07:53:09.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-365/07:43:58.2
8978	M1O	03-365/07:53:10.7		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-365/07:43:59.2
8979	M1O	03-365/07:53:11.7		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-365/07:44:00.2
8980	M1O	03-365/07:53:12.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-365/07:44:01.2
8981	M1O	03-365/07:53:13.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/07:44:02.2
8982	M1O	03-365/07:54:03.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/07:44:52.2
8983	M1O	03-365/07:54:13.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-365/07:45:02.2
8984	M1O	03-365/07:54:42.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-365/07:45:30.7
8985	M1O	03-365/07:54:42.3	34	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8986	M1O	03-365/07:54:43.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/07:45:31.7
8987	M1O	03-365/07:54:43.2	34	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
8988	M1O	03-365/07:54:43.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-365/07:45:31.7
8989	M1O	03-365/07:56:14.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/07:47:03.2
8990	M1O	03-365/07:56:15.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/07:47:04.2
8991	M1O	03-365/07:58:14.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/07:49:03.2
8992	M1O	03-365/07:58:15.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/07:49:04.2
8993	M1O	03-365/08:00:14.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/07:51:03.2
8994	M1O	03-365/08:00:15.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/07:51:04.2
8995	M1O	03-365/08:01:27.9		NOTE: Descending Node Crossing 9072		03-365/07:52:16.3
8996	M1O	03-365/08:02:14.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/07:53:03.2
8997	M1O	03-365/08:02:15.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/07:53:04.2
8998	M1O	03-365/08:03:06.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/07:53:54.7
8999	M1O	03-365/08:03:07.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-365/07:53:55.8
9000	M1O	03-365/08:03:17.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-365/07:54:05.8
9001	M1O	03-365/08:03:18.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-365/07:54:06.8
9002	M1O	03-365/08:03:19.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-365/07:54:07.8
9003	M1O	03-365/08:03:19.4	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9004	M1O	03-365/08:03:20.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-365/07:54:08.8
9005	M1O	03-365/08:08:19.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-365/07:59:07.5
9006	M1O	03-365/08:08:19.1	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9007	M1O	03-365/08:30:49.5		NOTE: South Pole Crossing 9072		03-365/08:21:37.8
9008	M1O	03-365/08:32:46.4		NOTE: Periapsis 9072 ----------		03-365/08:23:34.8
9009	M1O	03-365/08:59:10.9		NOTE: Enter Solar Eclipse 9072		03-365/08:49:59.2
9010	M1O	03-365/09:00:06.3		NOTE: Ascending Node Crossing 9072		03-365/08:50:54.5
9011	M1O	03-365/09:19:25.7		SPAWN, Engine = 65535, Parameters = 3, 00:33:49.908, 1	dpt	03-365/09:10:14.0
9012	M1O	03-365/09:19:27.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/09:10:16.1
9013	M1O	03-365/09:19:27.8	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9014	M1O	03-365/09:19:28.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-365/09:10:17.1
9015	M1O	03-365/09:20:27.7		NOTE: ENTER HGA KEEP OUT ZONE		
9016	M1O	03-365/09:20:27.7	34	NOTE: Loss Of X-Band Signal		
9017	M1O	03-365/09:20:45.5		NOTE: Exit Solar Eclipse 9072		03-365/09:11:33.7
9018	M1O	03-365/09:27:46.6		NOTE: Enter Planetary Atmosphere 9072		03-365/09:18:34.8
9019	M1O	03-365/09:29:11.8		Deletes the designated file.: d:/seq/cz057a.abs	FILE_DELETE	03-365/09:20:00.0
9020	M1O	03-365/09:29:11.8		Dummy command to mark beg/end of mini sequences: cz057a, 2003-365T11:00:02.000	START_MINI	03-365/09:20:00.0
9021	M1O	03-365/09:29:12.8		Copies the file designated in the source_path to the target_path.: d:/dat/056_doy365_pass02_file01.dat, d:/dat/056_doy365_pass02_file02.dat, OVERWRITE	FILE_COPY	03-365/09:20:01.0
9022	M1O	03-365/09:29:13.8		Copies the file designated in the source_path to the target_path.: d:/dat/056_doy365_pass02_file01.dat, d:/dat/056_doy365_pass02_file03.dat, OVERWRITE	FILE_COPY	03-365/09:20:02.0
9023	M1O	03-365/09:29:14.8		Copies the file designated in the source_path to the target_path.: d:/dat/056_doy365_pass02_file01.dat, d:/dat/056_doy365_pass02_file04.dat, OVERWRITE	FILE_COPY	03-365/09:20:03.0
9024	M1O	03-365/09:29:15.8		Copies the file designated in the source_path to the target_path.: d:/dat/056_doy365_pass02_file01.dat, d:/dat/056_doy365_pass02_file05.dat, OVERWRITE	FILE_COPY	03-365/09:20:04.0
9025	M1O	03-365/09:29:16.8		Copies the file designated in the source_path to the target_path.: d:/dat/056_doy365_pass02_file01.dat, d:/dat/056_doy365_pass02_file06.dat, OVERWRITE	FILE_COPY	03-365/09:20:05.0
9026	M1O	03-365/09:29:17.8		Copies the file designated in the source_path to the target_path.: d:/dat/056_doy365_pass02_file01.dat, d:/dat/056_doy365_pass02_file07.dat, OVERWRITE	FILE_COPY	03-365/09:20:06.0
9027	M1O	03-365/09:29:18.2		NOTE: Enter Earth Occultation 9072		03-365/09:20:06.3
9028	M1O	03-365/09:29:18.8		Copies the file designated in the source_path to the target_path.: d:/dat/056_doy365_pass02_file01.dat, d:/dat/056_doy365_pass02_file08.dat, OVERWRITE	FILE_COPY	03-365/09:20:07.0
9029	M1O	03-365/09:29:19.8		Copies the file designated in the source_path to the target_path.: d:/dat/056_doy365_pass02_file01.dat, d:/dat/056_doy365_pass02_file09.dat, OVERWRITE	FILE_COPY	03-365/09:20:08.0
9030	M1O	03-365/09:29:20.8		Copies the file designated in the source_path to the target_path.: d:/dat/056_doy365_pass02_file01.dat, d:/dat/056_doy365_pass02_file10.dat, OVERWRITE	FILE_COPY	03-365/09:20:09.0
9031	M1O	03-365/09:29:21.8		Assigns a constant integer to a global variable.: GV_SPARE_16, 2	VM_GV_SET_INT	03-365/09:20:10.0
9032	M1O	03-365/09:29:21.8		GV: GV_SPARE_16 = 2		03-365/09:20:10.0
9033	M1O	03-365/09:29:22.8		Assigns a constant integer to a global variable.: GV_SPARE_27, 2	VM_GV_SET_INT	03-365/09:20:11.0
9034	M1O	03-365/09:29:22.8		GV: GV_SPARE_27 = 2		03-365/09:20:11.0
9035	M1O	03-365/09:29:23.8		Assigns a constant integer to a global variable.: GV_SPARE_30, 1	VM_GV_SET_INT	03-365/09:20:12.0
9036	M1O	03-365/09:29:23.8		GV: GV_SPARE_30 = 1		03-365/09:20:12.0
9037	M1O	03-365/09:30:01.2		NOTE: North Pole Crossing 9072		03-365/09:20:49.3
9038	M1O	03-365/09:32:34.7		NOTE: Apoapsis 9072 -		03-365/09:23:22.9
9039	M1O	03-365/09:37:57.8		SPAWN, Engine = 65535, Parameters = 365, 02, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-365/09:28:46.0
9040	M1O	03-365/09:37:58.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-365/09:28:47.1
9041	M1O	03-365/09:38:00.9		CALL, Engine = , Parameters = 56	get_cmd_opt	03-365/09:28:49.1
9042	M1O	03-365/09:38:01.2		CALL, Engine = , Parameters = 365, 02, 056	bld_autosw	03-365/09:28:49.4
9043	M1O	03-365/09:38:02.3		Copies the file designated in the source_path to the target_path.:	FILE_COPY	03-365/09:28:50.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE		
9044	M1O	03-365/09:38:03.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/09:28:51.6
9045	M1O	03-365/09:38:04.4		Deletes the designated file.: d:/dat/056_doy365_pass02_file01.dat	FILE_DELETE	03-365/09:28:52.6
9046	M1O	03-365/09:38:05.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/09:28:53.7
9047	M1O	03-365/09:38:06.5		Deletes the designated file.: d:/dat/056_doy365_pass02_file02.dat	FILE_DELETE	03-365/09:28:54.7
9048	M1O	03-365/09:38:07.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/09:28:55.8
9049	M1O	03-365/09:38:08.6		Deletes the designated file.: d:/dat/056_doy365_pass02_file03.dat	FILE_DELETE	03-365/09:28:56.8
9050	M1O	03-365/09:38:09.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/09:28:57.9
9051	M1O	03-365/09:38:10.7		Deletes the designated file.: d:/dat/056_doy365_pass02_file04.dat	FILE_DELETE	03-365/09:28:58.9
9052	M1O	03-365/09:38:11.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/09:29:00.0
9053	M1O	03-365/09:38:12.8		Deletes the designated file.: d:/dat/056_doy365_pass02_file05.dat	FILE_DELETE	03-365/09:29:01.0
9054	M1O	03-365/09:38:13.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/09:29:02.1
9055	M1O	03-365/09:38:14.9		Deletes the designated file.: d:/dat/056_doy365_pass02_file06.dat	FILE_DELETE	03-365/09:29:03.1
9056	M1O	03-365/09:38:16.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/09:29:04.2
9057	M1O	03-365/09:38:17.0		Deletes the designated file.: d:/dat/056_doy365_pass02_file07.dat	FILE_DELETE	03-365/09:29:05.2
9058	M1O	03-365/09:38:18.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/09:29:06.3
9059	M1O	03-365/09:38:19.1		Deletes the designated file.: d:/dat/056_doy365_pass02_file08.dat	FILE_DELETE	03-365/09:29:07.3
9060	M1O	03-365/09:38:20.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/09:29:08.4
9061	M1O	03-365/09:38:21.2		Deletes the designated file.: d:/dat/056_doy365_pass02_file09.dat	FILE_DELETE	03-365/09:29:09.4
9062	M1O	03-365/09:38:22.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/09:29:10.5
9063	M1O	03-365/09:38:23.3		Deletes the designated file.: d:/dat/056_doy365_pass02_file10.dat	FILE_DELETE	03-365/09:29:11.5
9064	M1O	03-365/09:38:24.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/09:29:12.6
9065	M1O	03-365/09:38:25.4		Deletes the designated file.: d:/dat/056_doy365_pass02_file11.dat	FILE_DELETE	03-365/09:29:13.6
9066	M1O	03-365/09:38:26.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/09:29:14.7
9067	M1O	03-365/09:38:27.5		Deletes the designated file.: d:/dat/056_doy365_pass02_file12.dat	FILE_DELETE	03-365/09:29:15.7
9068	M1O	03-365/09:38:28.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/09:29:16.8
9069	M1O	03-365/09:38:29.6		Deletes the designated file.: d:/dat/056_doy365_pass02_file13.dat	FILE_DELETE	03-365/09:29:17.8
9070	M1O	03-365/09:38:30.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/09:29:18.9
9071	M1O	03-365/09:38:31.7		Deletes the designated file.: d:/dat/056_doy365_pass02_file14.dat	FILE_DELETE	03-365/09:29:19.9
9072	M1O	03-365/09:38:32.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/09:29:21.0
9073	M1O	03-365/09:38:33.8		Deletes the designated file.: d:/dat/056_doy365_pass02_file15.dat	FILE_DELETE	03-365/09:29:22.0
9074	M1O	03-365/09:38:34.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/09:29:23.1
9075	M1O	03-365/09:38:35.9		Deletes the designated file.: d:/dat/056_doy365_pass02_file16.dat	FILE_DELETE	03-365/09:29:24.1
9076	M1O	03-365/09:38:37.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/09:29:25.2
9077	M1O	03-365/09:38:38.0		Deletes the designated file.: d:/dat/056_doy365_pass02_file17.dat	FILE_DELETE	03-365/09:29:26.2
9078	M1O	03-365/09:38:39.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/09:29:27.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9079	M1O	03-365/09:38:40.1		Deletes the designated file.: d:/dat/056_doy365_pass02_file18.dat	FILE_DELETE	03-365/09:29:28.3
9080	M1O	03-365/09:38:41.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/09:29:29.4
9081	M1O	03-365/09:38:42.2		Deletes the designated file.: d:/dat/056_doy365_pass02_file19.dat	FILE_DELETE	03-365/09:29:30.4
9082	M1O	03-365/09:38:43.2		CALL, Engine = , Parameters = 56	get_apid	03-365/09:29:31.4
9083	M1O	03-365/09:38:44.3		CALL, Engine = , Parameters = 56	get_rcv_mode	03-365/09:29:32.5
9084	M1O	03-365/09:38:44.5		CALL, Engine = , Parameters = 56	get_dl_rate	03-365/09:29:32.7
9085	M1O	03-365/09:38:45.6		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-365/09:29:33.8
9086	M1O	03-365/09:38:46.8		CALL, Engine = , Parameters = 56	get_coding	03-365/09:29:35.0
9087	M1O	03-365/09:38:48.0		CALL, Engine = , Parameters = 56	get_xmt_mode	03-365/09:29:36.2
9088	M1O	03-365/09:38:49.2		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-365/09:29:37.4
9089	M1O	03-365/09:39:54.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-365/09:30:42.2
9090	M1O	03-365/09:39:55.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-365/09:30:43.2
9091	M1O	03-365/09:39:56.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-365/09:30:44.2
9092	M1O	03-365/09:39:57.0		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-365/09:30:45.2
9093	M1O	03-365/09:39:58.0		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-365/09:30:46.2
9094	M1O	03-365/09:39:59.0		Selects the mode in which the UHF receiver is to operate.: UNREL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-365/09:30:47.2
9095	M1O	03-365/09:40:00.0		Selects the mode in which the UHF transmitter is to operate.: UNREL_BIT_STR, 8_KPS, PSK, BYPASS_COD, DISABLE	UHF_XMIT_MODE	03-365/09:30:48.2
9096	M1O	03-365/09:40:47.8		NOTE: EXIT HGA KEEP OUT ZONE		
9097	M1O	03-365/09:40:50.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/09:31:38.2
9098	M1O	03-365/09:41:00.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-365/09:31:48.2
9099	M1O	03-365/09:41:00.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-365/09:31:48.4
9100	M1O	03-365/09:43:01.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/09:33:49.2
9101	M1O	03-365/09:43:02.0		Selects the mode in which the UHF transmitter is to operate.: UNREL_BIT_STR, 8_KPS, PSK, BYPASS_COD, DISABLE	UHF_XMIT_MODE	03-365/09:33:50.2
9102	M1O	03-365/09:45:01.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/09:35:49.2
9103	M1O	03-365/09:45:02.0		Selects the mode in which the UHF transmitter is to operate.: UNREL_BIT_STR, 8_KPS, PSK, BYPASS_COD, DISABLE	UHF_XMIT_MODE	03-365/09:35:50.2
9104	M1O	03-365/09:47:01.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/09:37:49.2
9105	M1O	03-365/09:47:02.0		Selects the mode in which the UHF transmitter is to operate.: UNREL_BIT_STR, 8_KPS, PSK, BYPASS_COD, DISABLE	UHF_XMIT_MODE	03-365/09:37:50.2
9106	M1O	03-365/09:48:17.7		NOTE: Exit Earth Occultation 9072		03-365/09:39:05.9
9107	M1O	03-365/09:48:17.7	34	Acquisition Of X-Band Signal		
9108	M1O	03-365/09:48:17.7	34	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9109	M1O	03-365/09:49:01.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/09:39:49.2
9110	M1O	03-365/09:49:02.0		Selects the mode in which the UHF transmitter is to operate.: UNREL_BIT_STR, 8_KPS, PSK, BYPASS_COD, DISABLE	UHF_XMIT_MODE	03-365/09:39:50.2
9111	M1O	03-365/09:49:50.3		NOTE: Exit Planetary Atmosphere 9072		03-365/09:40:38.4
9112	M1O	03-365/09:50:45.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-365/09:41:34.0
9113	M1O	03-365/09:51:01.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/09:41:49.2
9114	M1O	03-365/09:51:02.0		Selects the mode in which the UHF transmitter is to operate.: UNREL_BIT_STR, 8_KPS, PSK, BYPASS_COD, DISABLE	UHF_XMIT_MODE	03-365/09:41:50.2
9115	M1O	03-365/09:53:01.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK,	UHF_XMIT_MODE	03-365/09:43:49.2

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				CONV_VIT, DISABLE		
9116	M1O	03-365/09:53:02.0		Selects the mode in which the UHF transmitter is to operate.: UNREL_BIT_STR, 8_KPS, PSK, BYPASS_COD, DISABLE	UHF_XMIT_MODE	03-365/09:43:50.2
9117	M1O	03-365/09:53:17.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-365/09:44:06.0
9118	M1O	03-365/09:53:17.9	34	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9119	M1O	03-365/09:53:18.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/09:44:07.0
9120	M1O	03-365/09:53:18.8	34	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9121	M1O	03-365/09:53:18.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-365/09:44:07.0
9122	M1O	03-365/09:55:01.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/09:45:49.2
9123	M1O	03-365/09:55:02.1		Selects the mode in which the UHF transmitter is to operate.: UNREL_BIT_STR, 8_KPS, PSK, BYPASS_COD, DISABLE	UHF_XMIT_MODE	03-365/09:45:50.2
9124	M1O	03-365/09:57:01.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/09:47:49.2
9125	M1O	03-365/09:57:02.1		Selects the mode in which the UHF transmitter is to operate.: UNREL_BIT_STR, 8_KPS, PSK, BYPASS_COD, DISABLE	UHF_XMIT_MODE	03-365/09:47:50.2
9126	M1O	03-365/09:59:01.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/09:49:49.2
9127	M1O	03-365/09:59:02.1		Selects the mode in which the UHF transmitter is to operate.: UNREL_BIT_STR, 8_KPS, PSK, BYPASS_COD, DISABLE	UHF_XMIT_MODE	03-365/09:49:50.2
9128	M1O	03-365/10:00:00.5		NOTE: Descending Node Crossing 9073		03-365/09:50:48.6
9129	M1O	03-365/10:01:01.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/09:51:49.2
9130	M1O	03-365/10:01:02.1		Selects the mode in which the UHF transmitter is to operate.: UNREL_BIT_STR, 8_KPS, PSK, BYPASS_COD, DISABLE	UHF_XMIT_MODE	03-365/09:51:50.2
9131	M1O	03-365/10:03:01.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/09:53:49.2
9132	M1O	03-365/10:03:02.1		Selects the mode in which the UHF transmitter is to operate.: UNREL_BIT_STR, 8_KPS, PSK, BYPASS_COD, DISABLE	UHF_XMIT_MODE	03-365/09:53:50.2
9133	M1O	03-365/10:05:01.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/09:55:49.2
9134	M1O	03-365/10:05:02.1		Selects the mode in which the UHF transmitter is to operate.: UNREL_BIT_STR, 8_KPS, PSK, BYPASS_COD, DISABLE	UHF_XMIT_MODE	03-365/09:55:50.2
9135	M1O	03-365/10:07:01.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/09:57:49.2
9136	M1O	03-365/10:07:02.1		Selects the mode in which the UHF transmitter is to operate.: UNREL_BIT_STR, 8_KPS, PSK, BYPASS_COD, DISABLE	UHF_XMIT_MODE	03-365/09:57:50.2
9137	M1O	03-365/10:09:01.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/09:59:49.2
9138	M1O	03-365/10:09:02.1		Selects the mode in which the UHF transmitter is to operate.: UNREL_BIT_STR, 8_KPS, PSK, BYPASS_COD, DISABLE	UHF_XMIT_MODE	03-365/09:59:50.2
9139	M1O	03-365/10:11:01.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/10:01:49.2
9140	M1O	03-365/10:11:02.1		Selects the mode in which the UHF transmitter is to operate.: UNREL_BIT_STR, 8_KPS, PSK, BYPASS_COD, DISABLE	UHF_XMIT_MODE	03-365/10:01:50.2
9141	M1O	03-365/10:11:50.9		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-365/10:02:39.0
9142	M1O	03-365/10:11:58.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/10:02:46.2
9143	M1O	03-365/10:11:59.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-365/10:02:47.3
9144	M1O	03-365/10:12:06.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-363T10:02:39.100, 2003-365T10:02:39.100	PCKTS_RE_TX_TIME	03-365/10:02:54.8

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9145	M1O	03-365/10:12:07.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-363T10:02:39.100, 2003-365T10:02:39.100	PCKTS_RE_TX_TIME	03-365/10:02:55.8
9146	M1O	03-365/10:12:08.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-363T10:02:39.100, 2003-365T10:02:39.100	PCKTS_RE_TX_TIME	03-365/10:02:56.8
9147	M1O	03-365/10:12:09.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-365/10:02:57.3
9148	M1O	03-365/10:12:09.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-363T10:02:39.100, 2003-365T10:02:39.100	PCKTS_RE_TX_TIME	03-365/10:02:57.8
9149	M1O	03-365/10:12:10.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-365/10:02:58.3
9150	M1O	03-365/10:12:10.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-363T10:02:39.100, 2003-365T10:02:39.100	PCKTS_RE_TX_TIME	03-365/10:02:58.8
9151	M1O	03-365/10:12:11.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-365/10:02:59.3
9152	M1O	03-365/10:12:11.2	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9153	M1O	03-365/10:12:11.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-363T10:02:39.100, 2003-365T10:02:39.100	PCKTS_RE_TX_TIME	03-365/10:02:59.8
9154	M1O	03-365/10:12:11.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	03-365/10:02:59.8
9155	M1O	03-365/10:12:11.7	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9156	M1O	03-365/10:12:12.2		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-365/10:03:00.3
9157	M1O	03-365/10:12:12.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/10:03:00.8
9158	M1O	03-365/10:12:12.7	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9159	M1O	03-365/10:14:11.9		Assigns a constant integer to a global variable.: GV_SPARE_16, 0	VM_GV_SET_INT	03-365/10:05:00.0
9160	M1O	03-365/10:14:11.9		GV: GV_SPARE_16 = 0		03-365/10:05:00.0
9161	M1O	03-365/10:14:12.9		Assigns a constant integer to a global variable.: GV_SPARE_27, 0	VM_GV_SET_INT	03-365/10:05:01.0
9162	M1O	03-365/10:14:12.9		GV: GV_SPARE_27 = 0		03-365/10:05:01.0
9163	M1O	03-365/10:14:13.9		Assigns a constant integer to a global variable.: GV_SPARE_30, 0	VM_GV_SET_INT	03-365/10:05:02.0
9164	M1O	03-365/10:14:13.9		GV: GV_SPARE_30 = 0		03-365/10:05:02.0
9165	M1O	03-365/10:19:12.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/10:10:00.8
9166	M1O	03-365/10:19:13.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-365/10:10:01.8
9167	M1O	03-365/10:19:29.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	03-365/10:10:17.8
9168	M1O	03-365/10:19:29.7	34	D/L RF Warning: SC antenna change - expect signal level variation		
9169	M1O	03-365/10:19:30.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-365/10:10:18.8
9170	M1O	03-365/10:20:00.0	34	End Tracking		
9171	M1O	03-365/10:29:21.2		NOTE: South Pole Crossing 9073		03-365/10:20:09.2
9172	M1O	03-365/10:30:56.6		NOTE: Periapsis 9073 ----------		03-365/10:21:44.6
9173	M1O	03-365/10:35:00.0	34	End Post-Cal		
9174	M1O	03-365/10:57:43.0		NOTE: Enter Solar Eclipse 9073		03-365/10:48:30.9
9175	M1O	03-365/10:58:37.9		NOTE: Ascending Node Crossing 9073		03-365/10:49:25.8
9176	M1O	03-365/11:19:00.1		NOTE: ENTER HGA KEEP OUT ZONE		
9177	M1O	03-365/11:19:17.3		NOTE: Exit Solar Eclipse 9073		03-365/11:10:05.2
9178	M1O	03-365/11:26:16.2		NOTE: Enter Planetary Atmosphere 9073		03-365/11:17:04.0
9179	M1O	03-365/11:27:47.7		NOTE: Enter Earth Occultation 9073		03-365/11:18:35.6
9180	M1O	03-365/11:28:32.3		NOTE: North Pole Crossing 9073		03-365/11:19:20.1
9181	M1O	03-365/11:30:57.3		NOTE: Apoapsis 9073 -		03-365/11:21:45.1
9182	M1O	03-365/11:39:20.2		NOTE: EXIT HGA KEEP OUT ZONE		
9183	M1O	03-365/11:46:48.6		NOTE: Exit Earth Occultation 9073		03-365/11:37:36.4
9184	M1O	03-365/11:48:21.1		NOTE: Exit Planetary Atmosphere 9073		03-365/11:39:08.8
9185	M1O	03-365/11:58:30.8		NOTE: Descending Node Crossing 9074		03-365/11:49:18.5
9186	M1O	03-365/12:27:52.2		NOTE: South Pole Crossing 9074		03-365/12:18:39.8
9187	M1O	03-365/12:29:20.1		NOTE: Periapsis 9074 ----------		03-365/12:20:07.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9188	M1O	03-365/12:56:16.3		NOTE: Enter Solar Eclipse 9074		03-365/12:47:03.8
9189	M1O	03-365/12:57:10.0		NOTE: Ascending Node Crossing 9074		03-365/12:47:57.6
9190	M1O	03-365/13:00:00.0	65	Begin Pre-Cal		
9191	M1O	03-365/13:00:00.0	65	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
9192	M1O	03-365/13:00:00.0	65	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
9193	M1O	03-365/13:00:00.0	65	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
9194	M1O	03-365/13:00:00.0	65	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
9195	M1O	03-365/13:00:00.0	65	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
9196	M1O	03-365/13:00:00.0	65	Config: RCV: Parms:		
9197	M1O	03-365/13:00:00.0	65	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
9198	M1O	03-365/13:00:00.0	65	Config: TGC: BAND=X, SR=79632.000000		
9199	M1O	03-365/13:00:00.0	65	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
9200	M1O	03-365/13:17:30.5		NOTE: ENTER HGA KEEP OUT ZONE		
9201	M1O	03-365/13:17:45.1		NOTE: Exit Solar Eclipse 9074		03-365/13:08:32.6
9202	M1O	03-365/13:24:54.5		NOTE: Enter Planetary Atmosphere 9074		03-365/13:15:41.9
9203	M1O	03-365/13:26:26.9		NOTE: Enter Earth Occultation 9074		03-365/13:17:14.3
9204	M1O	03-365/13:27:05.2		NOTE: North Pole Crossing 9074		03-365/13:17:52.6
9205	M1O	03-365/13:29:37.6		NOTE: Apoapsis 9074 -		03-365/13:20:25.0
9206	M1O	03-365/13:37:50.5		NOTE: EXIT HGA KEEP OUT ZONE		
9207	M1O	03-365/13:45:16.6		NOTE: Exit Earth Occultation 9074		03-365/13:36:04.0
9208	M1O	03-365/13:46:49.9		NOTE: Exit Planetary Atmosphere 9074		03-365/13:37:37.3
9209	M1O	03-365/13:57:04.5		NOTE: Descending Node Crossing 9075		03-365/13:47:51.9
9210	M1O	03-365/14:26:26.4		NOTE: South Pole Crossing 9075		03-365/14:17:13.7
9211	M1O	03-365/14:28:00.7		NOTE: Periapsis 9075 ----------		03-365/14:18:47.9
9212	M1O	03-365/14:29:35.4		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-365/14:20:22.6
9213	M1O	03-365/14:29:35.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/14:20:22.7
9214	M1O	03-365/14:29:36.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-365/14:20:23.7
9215	M1O	03-365/14:29:37.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-365/14:20:24.7
9216	M1O	03-365/14:29:38.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-365/14:20:25.7
9217	M1O	03-365/14:29:39.5		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-365/14:20:26.7
9218	M1O	03-365/14:29:49.5		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-365/14:20:36.7
9219	M1O	03-365/14:29:59.5		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-365/14:20:46.7
9220	M1O	03-365/14:30:00.0	65	Begin Tracking		
9221	M1O	03-365/14:30:00.0	65	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9222	M1O	03-365/14:30:00.4		NOTE: Changing to 34M (HEF) downlink rate: 66360_BPS		03-365/14:20:47.6
9223	M1O	03-365/14:30:00.4		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 66360_BPS	DOWNLINK_RATE	03-365/14:20:47.6
9224	M1O	03-365/14:30:00.4	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9225	M1O	03-365/14:34:59.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-365/14:25:46.7
9226	M1O	03-365/14:35:00.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-365/14:25:47.7
9227	M1O	03-365/14:35:00.5	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9228	M1O	03-365/14:35:01.5		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-365/14:25:48.7
9229	M1O	03-365/14:54:50.8		NOTE: Enter Solar Eclipse 9075		03-365/14:45:38.0
9230	M1O	03-365/14:55:44.6		NOTE: Ascending Node Crossing 9075		03-365/14:46:31.8
9231	M1O	03-365/15:15:02.8		SPAWN, Engine = 65535, Parameters = 3, 00:33:43.719, 1	dpt	03-365/15:05:50.0
9232	M1O	03-365/15:15:04.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/15:05:52.1
9233	M1O	03-365/15:15:04.9	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9234	M1O	03-365/15:15:05.9		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	03-365/15:05:53.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
9235	M1O	03-365/15:16:04.8		NOTE: ENTER HGA KEEP OUT ZONE		
9236	M1O	03-365/15:16:04.8	65	NOTE: Loss Of X-Band Signal		
9237	M1O	03-365/15:16:15.1		NOTE: Exit Solar Eclipse 9075		03-365/15:07:02.2
9238	M1O	03-365/15:23:36.0		NOTE: Enter Planetary Atmosphere 9075		03-365/15:14:23.1
9239	M1O	03-365/15:25:09.1		NOTE: Enter Earth Occultation 9075		03-365/15:15:56.2
9240	M1O	03-365/15:25:41.0		NOTE: North Pole Crossing 9075		03-365/15:16:28.1
9241	M1O	03-365/15:28:08.7		NOTE: Apoapsis 9075 -		03-365/15:18:55.8
9242	M1O	03-365/15:36:04.9		NOTE: EXIT HGA KEEP OUT ZONE		
9243	M1O	03-365/15:43:48.6		NOTE: Exit Earth Occultation 9075		03-365/15:34:35.7
9244	M1O	03-365/15:43:48.6	65	Acquisition Of X-Band Signal		
9245	M1O	03-365/15:43:48.6	65	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9246	M1O	03-365/15:45:22.7		NOTE: Exit Planetary Atmosphere 9075		03-365/15:36:09.8
9247	M1O	03-365/15:48:48.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-365/15:39:35.8
9248	M1O	03-365/15:48:48.8	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9249	M1O	03-365/15:48:49.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-365/15:39:36.8
9250	M1O	03-365/15:55:41.7		NOTE: Descending Node Crossing 9076		03-365/15:46:28.7
9251	M1O	03-365/16:25:03.5		NOTE: South Pole Crossing 9076		03-365/16:15:50.4
9252	M1O	03-365/16:26:39.8		NOTE: Periapsis 9076 ----------		03-365/16:17:26.7
9253	M1O	03-365/16:53:26.8		NOTE: Enter Solar Eclipse 9076		03-365/16:44:13.6
9254	M1O	03-365/16:54:21.2		NOTE: Ascending Node Crossing 9076		03-365/16:45:08.0
9255	M1O	03-365/17:13:39.2		SPAWN, Engine = 65535, Parameters = 3, 00:33:43.661, 1	dpt	03-365/17:04:26.0
9256	M1O	03-365/17:13:41.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/17:04:28.1
9257	M1O	03-365/17:13:41.3	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9258	M1O	03-365/17:13:42.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-365/17:04:29.1
9259	M1O	03-365/17:14:41.2		NOTE: ENTER HGA KEEP OUT ZONE		
9260	M1O	03-365/17:14:41.2	65	NOTE: Loss Of X-Band Signal		
9261	M1O	03-365/17:14:50.0		NOTE: Exit Solar Eclipse 9076		03-365/17:05:36.7
9262	M1O	03-365/17:22:14.0		NOTE: Enter Planetary Atmosphere 9076		03-365/17:13:00.7
9263	M1O	03-365/17:23:47.2		NOTE: Enter Earth Occultation 9076		03-365/17:14:34.0
9264	M1O	03-365/17:24:17.9		NOTE: North Pole Crossing 9076		03-365/17:15:04.6
9265	M1O	03-365/17:26:34.6		NOTE: Apoapsis 9076 -		03-365/17:17:21.3
9266	M1O	03-365/17:34:41.3		NOTE: EXIT HGA KEEP OUT ZONE		
9267	M1O	03-365/17:42:24.9		NOTE: Exit Earth Occultation 9076		03-365/17:33:11.6
9268	M1O	03-365/17:42:24.9	65	Acquisition Of X-Band Signal		
9269	M1O	03-365/17:42:24.9	65	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9270	M1O	03-365/17:43:59.2		NOTE: Exit Planetary Atmosphere 9076		03-365/17:34:45.9
9271	M1O	03-365/17:47:25.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-365/17:38:11.7
9272	M1O	03-365/17:47:25.1	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9273	M1O	03-365/17:47:26.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-365/17:38:12.7
9274	M1O	03-365/17:54:18.8		NOTE: Descending Node Crossing 9077		03-365/17:45:05.4
9275	M1O	03-365/18:23:40.6		NOTE: South Pole Crossing 9077		03-365/18:14:27.1
9276	M1O	03-365/18:25:12.4		NOTE: Periapsis 9077 ----------		03-365/18:15:58.9
9277	M1O	03-365/18:40:00.0	26	Begin Pre-Cal		
9278	M1O	03-365/18:40:00.0	26	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
9279	M1O	03-365/18:40:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
9280	M1O	03-365/18:40:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
9281	M1O	03-365/18:40:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9282	M1O	03-365/18:40:00.0	26	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
9283	M1O	03-365/18:40:00.0	26	Config: RCV: Parms:		
9284	M1O	03-365/18:40:00.0	26	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
9285	M1O	03-365/18:40:00.0	26	Config: TGC: BAND=X, SR=132720.000000		
9286	M1O	03-365/18:40:00.0	26	Config: TXL		
9287	M1O	03-365/18:40:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
9288	M1O	03-365/18:40:00.0	26	Config: CMD		
9289	M1O	03-365/18:40:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
9290	M1O	03-365/18:52:03.7		NOTE: Enter Solar Eclipse 9077		03-365/18:42:50.1
9291	M1O	03-365/18:52:58.3		NOTE: Ascending Node Crossing 9077		03-365/18:43:44.7
9292	M1O	03-365/19:12:16.6		SPAWN, Engine = 65535, Parameters = 3, 00:33:44.597, 1	dpt	03-365/19:03:03.0
9293	M1O	03-365/19:12:18.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/19:03:05.1
9294	M1O	03-365/19:12:18.7	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9295	M1O	03-365/19:12:19.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-365/19:03:06.1
9296	M1O	03-365/19:13:18.6		NOTE: ENTER HGA KEEP OUT ZONE		
9297	M1O	03-365/19:13:18.6	65	NOTE: Loss Of X-Band Signal		
9298	M1O	03-365/19:13:28.2		NOTE: Exit Solar Eclipse 9077		03-365/19:04:14.5
9299	M1O	03-365/19:20:46.9		NOTE: Enter Planetary Atmosphere 9077		03-365/19:11:33.3
9300	M1O	03-365/19:22:19.7		NOTE: Enter Earth Occultation 9077		03-365/19:13:06.1
9301	M1O	03-365/19:22:54.2		NOTE: North Pole Crossing 9077		03-365/19:13:40.5
9302	M1O	03-365/19:24:58.3		NOTE: Apoapsis 9077 -		03-365/19:15:44.6
9303	M1O	03-365/19:33:18.6		NOTE: EXIT HGA KEEP OUT ZONE		
9304	M1O	03-365/19:41:03.2		NOTE: Exit Earth Occultation 9077		03-365/19:31:49.5
9305	M1O	03-365/19:41:03.2	65	Acquisition Of X-Band Signal		
9306	M1O	03-365/19:41:03.2	65	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9307	M1O	03-365/19:42:37.0		NOTE: Exit Planetary Atmosphere 9077		03-365/19:33:23.3
9308	M1O	03-365/19:46:03.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-365/19:36:49.6
9309	M1O	03-365/19:46:03.4	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9310	M1O	03-365/19:46:04.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-365/19:36:50.6
9311	M1O	03-365/19:52:54.1		NOTE: Descending Node Crossing 9078		03-365/19:43:40.3
9312	M1O	03-365/20:10:00.0	26	Begin Tracking		
9313	M1O	03-365/20:10:00.0	26	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9314	M1O	03-365/20:22:11.0	26	NOTE: Above Uplink Interlock Limit		
9315	M1O	03-365/20:22:15.8		NOTE: South Pole Crossing 9078		03-365/20:13:02.0
9316	M1O	03-365/20:23:51.2		NOTE: Periapsis 9078 ----------		03-365/20:14:37.4
9317	M1O	03-365/20:25:00.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
9318	M1O	03-365/20:30:00.0	26	Range Modulation On: SUP=3.0dB		
9319	M1O	03-365/20:31:00.0	26	Begin Ranging Acquisition		
9320	M1O	03-365/20:38:25.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
9321	M1O	03-365/20:42:25.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-365/20:33:11.3
9322	M1O	03-365/20:42:27.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/20:33:13.4
9323	M1O	03-365/20:42:27.2	65	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9324	M1O	03-365/20:42:27.2	26	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9325	M1O	03-365/20:42:28.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-365/20:33:14.4
9326	M1O	03-365/20:43:27.6	65	Acquire D/L: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9327	M1O	03-365/20:43:27.6	26	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9328	M1O	03-365/20:45:39.9		SPAWN, Engine = 65535, Parameters = 365, 03, TRUE, 00:17:02.455, 056, FALSE, 32_KPS,	uhf	03-365/20:36:26.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				00:01:00, 00:02:00		
9329	M1O	03-365/20:45:41.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-365/20:36:27.1
9330	M1O	03-365/20:45:43.0		CALL, Engine = , Parameters = 56	get_cmd_opt	03-365/20:36:29.1
9331	M1O	03-365/20:45:43.3		CALL, Engine = , Parameters = 365, 03, 056	bld_autosw	03-365/20:36:29.4
9332	M1O	03-365/20:45:44.4		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-365/20:36:30.5
9333	M1O	03-365/20:45:45.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/20:36:31.6
9334	M1O	03-365/20:45:46.5		Deletes the designated file.: d:/dat/056_doy365_pass03_file01.dat	FILE_DELETE	03-365/20:36:32.6
9335	M1O	03-365/20:45:47.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/20:36:33.7
9336	M1O	03-365/20:45:48.6		Deletes the designated file.: d:/dat/056_doy365_pass03_file02.dat	FILE_DELETE	03-365/20:36:34.7
9337	M1O	03-365/20:45:49.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/20:36:35.8
9338	M1O	03-365/20:45:50.7		Deletes the designated file.: d:/dat/056_doy365_pass03_file03.dat	FILE_DELETE	03-365/20:36:36.8
9339	M1O	03-365/20:45:51.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/20:36:37.9
9340	M1O	03-365/20:45:52.8		Deletes the designated file.: d:/dat/056_doy365_pass03_file04.dat	FILE_DELETE	03-365/20:36:38.9
9341	M1O	03-365/20:45:53.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/20:36:40.0
9342	M1O	03-365/20:45:54.9		Deletes the designated file.: d:/dat/056_doy365_pass03_file05.dat	FILE_DELETE	03-365/20:36:41.0
9343	M1O	03-365/20:45:56.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/20:36:42.1
9344	M1O	03-365/20:45:57.0		Deletes the designated file.: d:/dat/056_doy365_pass03_file06.dat	FILE_DELETE	03-365/20:36:43.1
9345	M1O	03-365/20:45:58.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/20:36:44.2
9346	M1O	03-365/20:45:59.1		Deletes the designated file.: d:/dat/056_doy365_pass03_file07.dat	FILE_DELETE	03-365/20:36:45.2
9347	M1O	03-365/20:46:00.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/20:36:46.3
9348	M1O	03-365/20:46:01.2		Deletes the designated file.: d:/dat/056_doy365_pass03_file08.dat	FILE_DELETE	03-365/20:36:47.3
9349	M1O	03-365/20:46:02.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/20:36:48.4
9350	M1O	03-365/20:46:03.3		Deletes the designated file.: d:/dat/056_doy365_pass03_file09.dat	FILE_DELETE	03-365/20:36:49.4
9351	M1O	03-365/20:46:04.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/20:36:50.5
9352	M1O	03-365/20:46:05.4		Deletes the designated file.: d:/dat/056_doy365_pass03_file10.dat	FILE_DELETE	03-365/20:36:51.5
9353	M1O	03-365/20:46:06.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/20:36:52.6
9354	M1O	03-365/20:46:07.5		Deletes the designated file.: d:/dat/056_doy365_pass03_file11.dat	FILE_DELETE	03-365/20:36:53.6
9355	M1O	03-365/20:46:08.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/20:36:54.7
9356	M1O	03-365/20:46:09.6		Deletes the designated file.: d:/dat/056_doy365_pass03_file12.dat	FILE_DELETE	03-365/20:36:55.7
9357	M1O	03-365/20:46:10.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/20:36:56.8
9358	M1O	03-365/20:46:11.7		Deletes the designated file.: d:/dat/056_doy365_pass03_file13.dat	FILE_DELETE	03-365/20:36:57.8
9359	M1O	03-365/20:46:12.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/20:36:58.9
9360	M1O	03-365/20:46:13.8		Deletes the designated file.: d:/dat/056_doy365_pass03_file14.dat	FILE_DELETE	03-365/20:36:59.9
9361	M1O	03-365/20:46:14.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/20:37:01.0
9362	M1O	03-365/20:46:15.9		Deletes the designated file.: d:/dat/056_doy365_pass03_file15.dat	FILE_DELETE	03-365/20:37:02.0
9363	M1O	03-365/20:46:17.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/20:37:03.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9364	M1O	03-365/20:46:18.0		Deletes the designated file.: d:/dat/056_doy365_pass03_file16.dat	FILE_DELETE	03-365/20:37:04.1
9365	M1O	03-365/20:46:19.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/20:37:05.2
9366	M1O	03-365/20:46:20.1		Deletes the designated file.: d:/dat/056_doy365_pass03_file17.dat	FILE_DELETE	03-365/20:37:06.2
9367	M1O	03-365/20:46:21.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/20:37:07.3
9368	M1O	03-365/20:46:22.2		Deletes the designated file.: d:/dat/056_doy365_pass03_file18.dat	FILE_DELETE	03-365/20:37:08.3
9369	M1O	03-365/20:46:23.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/20:37:09.4
9370	M1O	03-365/20:46:24.3		Deletes the designated file.: d:/dat/056_doy365_pass03_file19.dat	FILE_DELETE	03-365/20:37:10.4
9371	M1O	03-365/20:46:25.3		CALL, Engine = , Parameters = 56	get_apid	03-365/20:37:11.4
9372	M1O	03-365/20:46:26.4		CALL, Engine = , Parameters = 56	get_rcv_mode	03-365/20:37:12.5
9373	M1O	03-365/20:46:26.6		CALL, Engine = , Parameters = 56	get_dl_rate	03-365/20:37:12.7
9374	M1O	03-365/20:46:27.7		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-365/20:37:13.8
9375	M1O	03-365/20:46:28.9		CALL, Engine = , Parameters = 56	get_coding	03-365/20:37:15.0
9376	M1O	03-365/20:46:30.1		CALL, Engine = , Parameters = 56	get_xmt_mode	03-365/20:37:16.2
9377	M1O	03-365/20:46:31.3		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-365/20:37:17.4
9378	M1O	03-365/20:47:36.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-365/20:38:22.2
9379	M1O	03-365/20:47:37.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-365/20:38:23.2
9380	M1O	03-365/20:47:38.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-365/20:38:24.2
9381	M1O	03-365/20:47:39.1		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-365/20:38:25.2
9382	M1O	03-365/20:47:40.1		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-365/20:38:26.2
9383	M1O	03-365/20:47:41.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-365/20:38:27.2
9384	M1O	03-365/20:47:42.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/20:38:28.2
9385	M1O	03-365/20:48:25.0	26	Range Modulation Off		
9386	M1O	03-365/20:48:27.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-365/20:39:13.4
9387	M1O	03-365/20:48:27.3	65	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9388	M1O	03-365/20:48:27.3	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9389	M1O	03-365/20:48:28.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/20:39:14.4
9390	M1O	03-365/20:48:28.3	65	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9391	M1O	03-365/20:48:28.3	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9392	M1O	03-365/20:48:28.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-365/20:39:14.4
9393	M1O	03-365/20:48:32.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/20:39:18.2
9394	M1O	03-365/20:48:42.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-365/20:39:28.2
9395	M1O	03-365/20:50:38.2		NOTE: Enter Solar Eclipse 9078		03-365/20:41:24.3
9396	M1O	03-365/20:50:43.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/20:41:29.2
9397	M1O	03-365/20:50:44.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/20:41:30.2
9398	M1O	03-365/20:51:33.4		NOTE: Ascending Node Crossing 9078		03-365/20:42:19.5
9399	M1O	03-365/20:52:43.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/20:43:29.2
9400	M1O	03-365/20:52:44.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/20:43:30.2
9401	M1O	03-365/20:53:25.0	26	X-Band Transmitter Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9402	M1O	03-365/20:54:43.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/20:45:29.2
9403	M1O	03-365/20:54:44.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/20:45:30.2
9404	M1O	03-365/20:56:43.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/20:47:29.2
9405	M1O	03-365/20:56:44.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/20:47:30.2
9406	M1O	03-365/20:58:43.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/20:49:29.2
9407	M1O	03-365/20:58:44.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/20:49:30.2
9408	M1O	03-365/21:00:43.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/20:51:29.2
9409	M1O	03-365/21:00:44.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/20:51:30.2
9410	M1O	03-365/21:02:43.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/20:53:29.2
9411	M1O	03-365/21:02:44.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/20:53:30.2
9412	M1O	03-365/21:04:42.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/20:55:28.6
9413	M1O	03-365/21:04:43.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-365/20:55:29.7
9414	M1O	03-365/21:04:53.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-365/20:55:39.7
9415	M1O	03-365/21:04:54.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-365/20:55:40.7
9416	M1O	03-365/21:04:55.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-365/20:55:41.7
9417	M1O	03-365/21:04:55.7	65	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9418	M1O	03-365/21:04:55.7	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9419	M1O	03-365/21:04:56.7		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-365/20:55:42.7
9420	M1O	03-365/21:09:55.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-365/21:00:41.4
9421	M1O	03-365/21:09:55.4	65	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9422	M1O	03-365/21:09:55.4	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9423	M1O	03-365/21:10:50.2		SPAWN, Engine = 65535, Parameters = 3, 00:34:19, 1	dpt	03-365/21:01:36.3
9424	M1O	03-365/21:10:52.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/21:01:38.4
9425	M1O	03-365/21:10:52.3	65	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9426	M1O	03-365/21:10:52.3	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9427	M1O	03-365/21:10:53.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-365/21:01:39.4
9428	M1O	03-365/21:11:52.8	65	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9429	M1O	03-365/21:11:52.8	26	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9430	M1O	03-365/21:11:53.9		NOTE: ENTER HGA KEEP OUT ZONE		
9431	M1O	03-365/21:11:53.9	65	NOTE: Loss Of X-Band Signal		
9432	M1O	03-365/21:11:53.9	26	NOTE: Loss Of X-Band Signal		
9433	M1O	03-365/21:12:06.2		NOTE: Exit Solar Eclipse 9078		03-365/21:02:52.2
9434	M1O	03-365/21:19:15.7		NOTE: Enter Planetary Atmosphere 9078		03-365/21:10:01.7
9435	M1O	03-365/21:20:47.9		NOTE: Enter Earth Occultation 9078		03-365/21:11:33.9
9436	M1O	03-365/21:21:28.2		NOTE: North Pole Crossing 9078		03-365/21:12:14.1

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9437	M1O	03-365/21:21:44.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
9438	M1O	03-365/21:23:41.6		NOTE: Apoapsis 9078 -		03-365/21:14:27.6
9439	M1O	03-365/21:26:44.0	26	Range Modulation On: SUP=3.0dB		
9440	M1O	03-365/21:27:44.0	26	Begin Ranging Acquisition		
9441	M1O	03-365/21:31:54.0		NOTE: EXIT HGA KEEP OUT ZONE		
9442	M1O	03-365/21:39:39.4		NOTE: Exit Earth Occultation 9078		03-365/21:30:25.3
9443	M1O	03-365/21:39:39.4	65	Acquisition Of X-Band Signal		
9444	M1O	03-365/21:39:39.4	65	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9445	M1O	03-365/21:39:39.4	26	Acquisition Of X-Band Signal		
9446	M1O	03-365/21:39:39.4	26	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9447	M1O	03-365/21:40:12.0	65	Acquire D/L: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9448	M1O	03-365/21:40:12.0	26	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9449	M1O	03-365/21:41:12.6		NOTE: Exit Planetary Atmosphere 9078		03-365/21:31:58.5
9450	M1O	03-365/21:45:11.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-365/21:35:57.4
9451	M1O	03-365/21:45:11.4	65	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9452	M1O	03-365/21:45:11.4	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9453	M1O	03-365/21:45:12.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-365/21:35:58.4
9454	M1O	03-365/21:51:26.9		NOTE: Descending Node Crossing 9079		03-365/21:42:12.8
9455	M1O	03-365/22:20:48.1		NOTE: South Pole Crossing 9079		03-365/22:11:33.9
9456	M1O	03-365/22:22:24.3		NOTE: Periapsis 9079 ----------		03-365/22:13:10.1
9457	M1O	03-365/22:36:58.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
9458	M1O	03-365/22:42:58.2		SPAWN, Engine = 65535, Parameters = 365, 04, TRUE, 00:17:06.240, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-365/22:33:44.0
9459	M1O	03-365/22:42:58.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/22:33:44.5
9460	M1O	03-365/22:42:58.7	65	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9461	M1O	03-365/22:42:58.7	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9462	M1O	03-365/22:42:59.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	03-365/22:33:45.1
9463	M1O	03-365/22:43:01.3		CALL, Engine = , Parameters = 56	get_cmd_opt	03-365/22:33:47.1
9464	M1O	03-365/22:43:01.6		CALL, Engine = , Parameters = 365, 04, 056	bld_autosw	03-365/22:33:47.4
9465	M1O	03-365/22:43:02.7		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	03-365/22:33:48.5
9466	M1O	03-365/22:43:03.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/22:33:49.6
9467	M1O	03-365/22:43:04.8		Deletes the designated file.: d:/dat/056_doy365_pass04_file01.dat	FILE_DELETE	03-365/22:33:50.6
9468	M1O	03-365/22:43:05.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/22:33:51.7
9469	M1O	03-365/22:43:06.9		Deletes the designated file.: d:/dat/056_doy365_pass04_file02.dat	FILE_DELETE	03-365/22:33:52.7
9470	M1O	03-365/22:43:08.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/22:33:53.8
9471	M1O	03-365/22:43:09.0		Deletes the designated file.: d:/dat/056_doy365_pass04_file03.dat	FILE_DELETE	03-365/22:33:54.8
9472	M1O	03-365/22:43:10.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/22:33:55.9
9473	M1O	03-365/22:43:11.1		Deletes the designated file.: d:/dat/056_doy365_pass04_file04.dat	FILE_DELETE	03-365/22:33:56.9
9474	M1O	03-365/22:43:12.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/22:33:58.0
9475	M1O	03-365/22:43:13.2		Deletes the designated file.: d:/dat/056_doy365_pass04_file05.dat	FILE_DELETE	03-365/22:33:59.0
9476	M1O	03-365/22:43:14.3		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-365/22:34:00.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy365_pass04_file06.dat, d:/dat/autoswitch.dat		
9477	M1O	03-365/22:43:15.3		Deletes the designated file.: d:/dat/056_doy365_pass04_file06.dat	FILE_DELETE	03-365/22:34:01.1
9478	M1O	03-365/22:43:16.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/22:34:02.2
9479	M1O	03-365/22:43:17.4		Deletes the designated file.: d:/dat/056_doy365_pass04_file07.dat	FILE_DELETE	03-365/22:34:03.2
9480	M1O	03-365/22:43:18.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/22:34:04.3
9481	M1O	03-365/22:43:19.5		Deletes the designated file.: d:/dat/056_doy365_pass04_file08.dat	FILE_DELETE	03-365/22:34:05.3
9482	M1O	03-365/22:43:20.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/22:34:06.4
9483	M1O	03-365/22:43:21.6		Deletes the designated file.: d:/dat/056_doy365_pass04_file09.dat	FILE_DELETE	03-365/22:34:07.4
9484	M1O	03-365/22:43:22.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/22:34:08.5
9485	M1O	03-365/22:43:23.7		Deletes the designated file.: d:/dat/056_doy365_pass04_file10.dat	FILE_DELETE	03-365/22:34:09.5
9486	M1O	03-365/22:43:24.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/22:34:10.6
9487	M1O	03-365/22:43:25.8		Deletes the designated file.: d:/dat/056_doy365_pass04_file11.dat	FILE_DELETE	03-365/22:34:11.6
9488	M1O	03-365/22:43:26.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/22:34:12.7
9489	M1O	03-365/22:43:27.9		Deletes the designated file.: d:/dat/056_doy365_pass04_file12.dat	FILE_DELETE	03-365/22:34:13.7
9490	M1O	03-365/22:43:29.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/22:34:14.8
9491	M1O	03-365/22:43:30.0		Deletes the designated file.: d:/dat/056_doy365_pass04_file13.dat	FILE_DELETE	03-365/22:34:15.8
9492	M1O	03-365/22:43:31.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/22:34:16.9
9493	M1O	03-365/22:43:32.1		Deletes the designated file.: d:/dat/056_doy365_pass04_file14.dat	FILE_DELETE	03-365/22:34:17.9
9494	M1O	03-365/22:43:33.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/22:34:19.0
9495	M1O	03-365/22:43:34.2		Deletes the designated file.: d:/dat/056_doy365_pass04_file15.dat	FILE_DELETE	03-365/22:34:20.0
9496	M1O	03-365/22:43:35.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/22:34:21.1
9497	M1O	03-365/22:43:36.3		Deletes the designated file.: d:/dat/056_doy365_pass04_file16.dat	FILE_DELETE	03-365/22:34:22.1
9498	M1O	03-365/22:43:37.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/22:34:23.2
9499	M1O	03-365/22:43:38.4		Deletes the designated file.: d:/dat/056_doy365_pass04_file17.dat	FILE_DELETE	03-365/22:34:24.2
9500	M1O	03-365/22:43:39.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/22:34:25.3
9501	M1O	03-365/22:43:40.5		Deletes the designated file.: d:/dat/056_doy365_pass04_file18.dat	FILE_DELETE	03-365/22:34:26.3
9502	M1O	03-365/22:43:41.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/22:34:27.4
9503	M1O	03-365/22:43:42.6		Deletes the designated file.: d:/dat/056_doy365_pass04_file19.dat	FILE_DELETE	03-365/22:34:28.4
9504	M1O	03-365/22:43:43.6		CALL, Engine = , Parameters = 56	get_apid	03-365/22:34:29.4
9505	M1O	03-365/22:43:44.7		CALL, Engine = , Parameters = 56	get_rcv_mode	03-365/22:34:30.5
9506	M1O	03-365/22:43:44.9		CALL, Engine = , Parameters = 56	get_dl_rate	03-365/22:34:30.7
9507	M1O	03-365/22:43:46.0		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-365/22:34:31.8
9508	M1O	03-365/22:43:47.2		CALL, Engine = , Parameters = 56	get_coding	03-365/22:34:33.0
9509	M1O	03-365/22:43:48.4		CALL, Engine = , Parameters = 56	get_xmt_mode	03-365/22:34:34.2
9510	M1O	03-365/22:43:49.6		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-365/22:34:35.4
9511	M1O	03-365/22:44:54.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	03-365/22:35:40.2
9512	M1O	03-365/22:44:55.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-365/22:35:41.2
9513	M1O	03-365/22:44:56.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	03-365/22:35:42.2
9514	M1O	03-365/22:44:57.4		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-365/22:35:43.2
9515	M1O	03-365/22:44:58.4		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	03-365/22:35:44.2
9516	M1O	03-365/22:44:59.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK,	UHF_RCV_MODE	03-365/22:35:45.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT		
9517	M1O	03-365/22:45:00.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/22:35:46.2
9518	M1O	03-365/22:45:50.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/22:36:36.2
9519	M1O	03-365/22:46:00.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	03-365/22:36:46.2
9520	M1O	03-365/22:46:58.0	26	Range Modulation Off		
9521	M1O	03-365/22:48:01.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/22:38:47.2
9522	M1O	03-365/22:48:02.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/22:38:48.2
9523	M1O	03-365/22:49:09.3		NOTE: Enter Solar Eclipse 9079		03-365/22:39:55.1
9524	M1O	03-365/22:50:01.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/22:40:47.2
9525	M1O	03-365/22:50:02.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/22:40:48.2
9526	M1O	03-365/22:50:05.3		NOTE: Ascending Node Crossing 9079		03-365/22:40:51.0
9527	M1O	03-365/22:51:58.0	26	X-Band Transmitter Off		
9528	M1O	03-365/22:52:01.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/22:42:47.2
9529	M1O	03-365/22:52:02.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/22:42:48.2
9530	M1O	03-365/22:54:01.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/22:44:47.2
9531	M1O	03-365/22:54:02.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/22:44:48.2
9532	M1O	03-365/22:56:01.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/22:46:47.2
9533	M1O	03-365/22:56:02.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/22:46:48.2
9534	M1O	03-365/22:58:01.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/22:48:47.2
9535	M1O	03-365/22:58:02.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/22:48:48.2
9536	M1O	03-365/23:00:01.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/22:50:47.2
9537	M1O	03-365/23:00:02.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/22:50:48.2
9538	M1O	03-365/23:02:01.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/22:52:47.2
9539	M1O	03-365/23:02:02.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/22:52:48.2
9540	M1O	03-365/23:02:04.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/22:52:50.4
9541	M1O	03-365/23:02:05.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	03-365/22:52:51.5
9542	M1O	03-365/23:02:15.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	03-365/22:53:01.5
9543	M1O	03-365/23:02:16.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	03-365/22:53:02.5
9544	M1O	03-365/23:02:17.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	03-365/22:53:03.5
9545	M1O	03-365/23:02:17.8	65	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9546	M1O	03-365/23:02:17.8	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9547	M1O	03-365/23:02:18.8		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-365/22:53:04.5
9548	M1O	03-365/23:07:17.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-365/22:58:03.2
9549	M1O	03-365/23:07:17.5	65	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9550	M1O	03-365/23:07:17.5	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9551	M1O	03-365/23:09:23.6		SPAWN, Engine = 65535, Parameters = 3, 00:34:17, 1	dpt	03-365/23:00:09.3
9552	M1O	03-365/23:09:25.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-365/23:00:11.4
9553	M1O	03-365/23:09:25.7	65	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9554	M1O	03-365/23:09:25.7	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9555	M1O	03-365/23:09:26.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-365/23:00:12.4
9556	M1O	03-365/23:10:26.5	65	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9557	M1O	03-365/23:10:26.5	26	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9558	M1O	03-365/23:10:27.3		NOTE: ENTER HGA KEEP OUT ZONE		
9559	M1O	03-365/23:10:27.3	65	NOTE: Loss Of X-Band Signal		
9560	M1O	03-365/23:10:27.3	26	NOTE: Loss Of X-Band Signal		
9561	M1O	03-365/23:10:38.9		NOTE: Exit Solar Eclipse 9079		03-365/23:01:24.6
9562	M1O	03-365/23:17:45.7		NOTE: Enter Planetary Atmosphere 9079		03-365/23:08:31.3
9563	M1O	03-365/23:19:17.8		NOTE: Enter Earth Occultation 9079		03-365/23:10:03.4
9564	M1O	03-365/23:19:59.9		NOTE: North Pole Crossing 9079		03-365/23:10:45.5
9565	M1O	03-365/23:20:15.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
9566	M1O	03-365/23:22:19.3		NOTE: Apoapsis 9079 -		03-365/23:13:04.9
9567	M1O	03-365/23:25:15.0	26	Range Modulation On: SUP=3.0dB		
9568	M1O	03-365/23:26:15.0	26	Begin Ranging Acquisition		
9569	M1O	03-365/23:29:26.0	65	NOTE: Below Uplink Interlock Limit		
9570	M1O	03-365/23:30:00.0	65	End Tracking		
9571	M1O	03-365/23:30:00.9		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		03-365/23:20:46.5
9572	M1O	03-365/23:30:00.9		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	03-365/23:20:46.5
9573	M1O	03-365/23:30:27.4		NOTE: EXIT HGA KEEP OUT ZONE		
9574	M1O	03-365/23:38:11.4		NOTE: Exit Earth Occultation 9079		03-365/23:28:57.0
9575	M1O	03-365/23:38:11.4	26	Acquisition Of X-Band Signal		
9576	M1O	03-365/23:38:11.4	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9577	M1O	03-365/23:38:43.7	26	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9578	M1O	03-365/23:39:44.5		NOTE: Exit Planetary Atmosphere 9079		03-365/23:30:30.1
9579	M1O	03-365/23:43:42.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-365/23:34:28.4
9580	M1O	03-365/23:43:42.8	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9581	M1O	03-365/23:43:43.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-365/23:34:29.4
9582	M1O	03-365/23:45:00.0	65	End Post-Cal		
9583	M1O	03-365/23:49:58.5		NOTE: Descending Node Crossing 9080		03-365/23:40:44.1
9584	M1O	04-001/00:00:00.0		Light Time: OWLT = 09:14, RTLT = 18:29		
9585	M1O	04-001/00:09:11.5		Loads the disignated sequence block from the file system.: 65535, d:/seq/cz502.abs	VM_LOAD	03-365/23:59:57.0
9586	M1O	04-001/00:09:14.5		Dummy command to mark beg/end of mini sequences: cz502a, 2004-008T00:00:02.000	START_MINI	04-001/00:00:00.0
9587	M1O	04-001/00:09:24.5		Deletes the designated file.: d:/seq/cz502.abs	FILE_DELETE	04-001/00:00:10.0
9588	M1O	04-001/00:19:18.9		NOTE: South Pole Crossing 9080		04-001/00:10:04.4
9589	M1O	04-001/00:20:39.0		NOTE: Periapsis 9080 ----------		04-001/00:11:24.4
9590	M1O	04-001/00:35:28.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
9591	M1O	04-001/00:45:28.0	26	Range Modulation Off		
9592	M1O	04-001/00:47:40.9		NOTE: Enter Solar Eclipse 9080		04-001/00:38:26.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9593	M1O	04-001/00:48:35.8		NOTE: Ascending Node Crossing 9080		04-001/00:39:21.2
9594	M1O	04-001/00:50:28.0	26	X-Band Transmitter Off		
9595	M1O	04-001/01:07:55.1		SPAWN, Engine = 65535, Parameters = 3, 00:34:14, 1	dpt	04-001/00:58:40.4
9596	M1O	04-001/01:07:57.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-001/00:58:42.5
9597	M1O	04-001/01:07:57.2	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9598	M1O	04-001/01:07:58.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-001/00:58:43.5
9599	M1O	04-001/01:08:57.3	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9600	M1O	04-001/01:08:58.7		NOTE: ENTER HGA KEEP OUT ZONE		
9601	M1O	04-001/01:08:58.7	26	NOTE: Loss Of X-Band Signal		
9602	M1O	04-001/01:09:05.1		NOTE: Exit Solar Eclipse 9080		04-001/00:59:50.4
9603	M1O	04-001/01:16:22.6		NOTE: Enter Planetary Atmosphere 9080		04-001/01:07:07.9
9604	M1O	04-001/01:17:55.4		NOTE: Enter Earth Occultation 9080		04-001/01:08:40.6
9605	M1O	04-001/01:18:31.7		NOTE: North Pole Crossing 9080		04-001/01:09:17.0
9606	M1O	04-001/01:18:42.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
9607	M1O	04-001/01:20:29.7		NOTE: Apoapsis 9080 -		04-001/01:11:14.9
9608	M1O	04-001/01:23:42.0	26	Range Modulation On: SUP=3.0dB		
9609	M1O	04-001/01:24:42.0	26	Begin Ranging Acquisition		
9610	M1O	04-001/01:28:58.7		NOTE: EXIT HGA KEEP OUT ZONE		
9611	M1O	04-001/01:36:39.9		NOTE: Exit Earth Occultation 9080		04-001/01:27:25.1
9612	M1O	04-001/01:36:39.9	26	Acquisition Of X-Band Signal		
9613	M1O	04-001/01:36:39.9	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9614	M1O	04-001/01:37:11.4	26	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9615	M1O	04-001/01:38:13.7		NOTE: Exit Planetary Atmosphere 9080		04-001/01:28:58.9
9616	M1O	04-001/01:38:26.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
9617	M1O	04-001/01:42:11.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-001/01:32:56.5
9618	M1O	04-001/01:42:11.3	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9619	M1O	04-001/01:42:12.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-001/01:32:57.5
9620	M1O	04-001/01:48:26.0	26	Range Modulation Off		
9621	M1O	04-001/01:48:31.4		NOTE: Descending Node Crossing 9081		04-001/01:39:16.6
9622	M1O	04-001/01:53:26.0	26	X-Band Transmitter Off		
9623	M1O	04-001/02:01:31.8		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-001/01:52:17.0
9624	M1O	04-001/02:01:31.9		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-001/01:52:17.1
9625	M1O	04-001/02:01:32.9		Forces a desaturation of the reaction wheels.	RW_DESAT	04-001/01:52:18.1
9626	M1O	04-001/02:03:44.8		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-001/01:54:30.0
9627	M1O	04-001/02:04:00.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-364T01:54:30.100, 2004-001T01:54:30.100	PCKTS_RE_TX_TIME	04-001/01:54:45.8
9628	M1O	04-001/02:04:01.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-364T01:54:30.100, 2004-001T01:54:30.100	PCKTS_RE_TX_TIME	04-001/01:54:46.8
9629	M1O	04-001/02:04:02.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-364T01:54:30.100, 2004-001T01:54:30.100	PCKTS_RE_TX_TIME	04-001/01:54:47.8
9630	M1O	04-001/02:04:03.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-364T01:54:30.100, 2004-001T01:54:30.100	PCKTS_RE_TX_TIME	04-001/01:54:48.8
9631	M1O	04-001/02:04:04.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-364T01:54:30.100, 2004-001T01:54:30.100	PCKTS_RE_TX_TIME	04-001/01:54:49.8
9632	M1O	04-001/02:04:05.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-364T01:54:30.100, 2004-001T01:54:30.100	PCKTS_RE_TX_TIME	04-001/01:54:50.8
9633	M1O	04-001/02:04:05.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-001/01:54:50.8
9634	M1O	04-001/02:04:05.6	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9635	M1O	04-001/02:11:06.7		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-001/02:01:51.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
9636	M1O	04-001/02:11:06.7	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9637	M1O	04-001/02:11:07.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-001/02:01:52.8
9638	M1O	04-001/02:11:23.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-001/02:02:08.8
9639	M1O	04-001/02:11:23.7	26	D/L RF Warning: SC antenna change - expect signal level variation		
9640	M1O	04-001/02:11:24.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-001/02:02:09.8
9641	M1O	04-001/02:11:55.6	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9642	M1O	04-001/02:13:03.0		CALL, Engine = , Parameters = FALSE	park_hga	04-001/02:03:48.1
9643	M1O	04-001/02:13:03.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-001/02:03:48.1
9644	M1O	04-001/02:13:04.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-001/02:03:49.1
9645	M1O	04-001/02:13:05.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-001/02:03:50.1
9646	M1O	04-001/02:13:05.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-001/02:03:50.1
9647	M1O	04-001/02:13:05.0		NOTE: START HGA PARK		
9648	M1O	04-001/02:13:05.0	26	NOTE: Loss Of X-Band Signal		
9649	M1O	04-001/02:13:06.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-001/02:03:51.1
9650	M1O	04-001/02:13:07.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-001/02:03:52.1
9651	M1O	04-001/02:17:37.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-001/02:08:22.1
9652	M1O	04-001/02:17:52.6		NOTE: South Pole Crossing 9081		04-001/02:08:37.6
9653	M1O	04-001/02:19:01.8		NOTE: Periapsis 9081 ----------		04-001/02:09:46.8
9654	M1O	04-001/02:21:07.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-001/02:11:52.1
9655	M1O	04-001/02:21:07.0		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-001/02:11:52.1
9656	M1O	04-001/02:46:17.7		NOTE: Enter Solar Eclipse 9081		04-001/02:37:02.7
9657	M1O	04-001/02:47:10.7		NOTE: Ascending Node Crossing 9081		04-001/02:37:55.7
9658	M1O	04-001/02:51:07.0		GV: GV_DESAT_ACTIVE = 1		04-001/02:41:52.0
9659	M1O	04-001/02:51:08.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-001/02:41:53.0
9660	M1O	04-001/02:51:08.0		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-001/02:41:53.0
9661	M1O	04-001/03:01:07.0		GV: GV_DESAT_ACTIVE = 0		04-001/02:51:52.0
9662	M1O	04-001/03:01:08.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-001/02:51:53.0
9663	M1O	04-001/03:01:09.0		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-001/02:51:54.0
9664	M1O	04-001/03:01:10.0		CALL, Engine = , Parameters =	unpark_hga	04-001/02:51:55.0
9665	M1O	04-001/03:01:10.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-001/02:51:55.0
9666	M1O	04-001/03:01:11.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-001/02:51:56.0
9667	M1O	04-001/03:05:41.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-001/02:56:26.0
9668	M1O	04-001/03:05:42.0		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-001/02:56:27.0
9669	M1O	04-001/03:07:31.0		NOTE: ENTER HGA KEEP OUT ZONE		
9670	M1O	04-001/03:07:35.6		NOTE: Exit Solar Eclipse 9081		04-001/02:58:20.6
9671	M1O	04-001/03:09:42.0		NOTE: EXIT HGA PARK		
9672	M1O	04-001/03:15:02.3		NOTE: Enter Planetary Atmosphere 9081		04-001/03:05:47.2
9673	M1O	04-001/03:16:35.7		NOTE: Enter Earth Occultation 9081		04-001/03:07:20.6
9674	M1O	04-001/03:17:06.9		NOTE: North Pole Crossing 9081		04-001/03:07:51.8
9675	M1O	04-001/03:17:13.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
9676	M1O	04-001/03:19:02.9		NOTE: Apoapsis 9081 -		04-001/03:09:47.8
9677	M1O	04-001/03:22:13.0	26	Range Modulation On: SUP=3.0dB		
9678	M1O	04-001/03:23:13.0	26	Begin Ranging Acquisition		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9679	M1O	04-001/03:27:31.1		NOTE: EXIT HGA KEEP OUT ZONE		
9680	M1O	04-001/03:34:46.3		SPAWN, Engine = 65535, Parameters = 00:05:31.248	cstr	04-001/03:25:31.1
9681	M1O	04-001/03:34:46.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-001/03:25:31.2
9682	M1O	04-001/03:34:47.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-001/03:25:32.2
9683	M1O	04-001/03:34:48.4		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-001/03:25:33.2
9684	M1O	04-001/03:34:49.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-001/03:25:34.2
9685	M1O	04-001/03:34:50.4		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-001/03:25:35.2
9686	M1O	04-001/03:35:00.4		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-001/03:25:45.2
9687	M1O	04-001/03:35:10.4		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-001/03:25:55.2
9688	M1O	04-001/03:35:11.3		NOTE: Exit Earth Occultation 9081		04-001/03:25:56.1
9689	M1O	04-001/03:35:11.3	26	Acquisition Of X-Band Signal		
9690	M1O	04-001/03:35:11.3	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9691	M1O	04-001/03:35:43.2	26	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9692	M1O	04-001/03:36:45.7		NOTE: Exit Planetary Atmosphere 9081		04-001/03:27:30.5
9693	M1O	04-001/03:40:41.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-001/03:31:26.5
9694	M1O	04-001/03:40:42.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-001/03:31:27.5
9695	M1O	04-001/03:40:42.6	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9696	M1O	04-001/03:40:43.6		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-001/03:31:28.5
9697	M1O	04-001/03:47:06.9		NOTE: Descending Node Crossing 9082		04-001/03:37:51.7
9698	M1O	04-001/04:16:29.4		NOTE: South Pole Crossing 9082		04-001/04:07:14.1
9699	M1O	04-001/04:18:00.8		NOTE: Periapsis 9082 ----------		04-001/04:08:45.5
9700	M1O	04-001/04:32:35.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
9701	M1O	04-001/04:42:35.0	26	Range Modulation Off		
9702	M1O	04-001/04:44:54.6		NOTE: Enter Solar Eclipse 9082		04-001/04:35:39.2
9703	M1O	04-001/04:45:48.1		NOTE: Ascending Node Crossing 9082		04-001/04:36:32.7
9704	M1O	04-001/04:47:35.0	26	X-Band Transmitter Off		
9705	M1O	04-001/05:05:02.8		SPAWN, Engine = 65535, Parameters = 3, 00:34:12, 1	dpt	04-001/04:55:47.4
9706	M1O	04-001/05:05:04.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-001/04:55:49.5
9707	M1O	04-001/05:05:04.9	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9708	M1O	04-001/05:05:05.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-001/04:55:50.5
9709	M1O	04-001/05:06:05.7	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9710	M1O	04-001/05:06:06.4		NOTE: ENTER HGA KEEP OUT ZONE		
9711	M1O	04-001/05:06:06.4	26	NOTE: Loss Of X-Band Signal		
9712	M1O	04-001/05:06:11.8		NOTE: Exit Solar Eclipse 9082		04-001/04:56:56.4
9713	M1O	04-001/05:13:39.7		NOTE: Enter Planetary Atmosphere 9082		04-001/05:04:24.3
9714	M1O	04-001/05:15:13.4		NOTE: Enter Earth Occultation 9082		04-001/05:05:57.9
9715	M1O	04-001/05:15:43.8		NOTE: North Pole Crossing 9082		04-001/05:06:28.3
9716	M1O	04-001/05:15:47.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
9717	M1O	04-001/05:18:11.8		NOTE: Apoapsis 9082 -		04-001/05:08:56.3
9718	M1O	04-001/05:20:00.0	45	Begin Pre-Cal		
9719	M1O	04-001/05:20:00.0	45	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
9720	M1O	04-001/05:20:00.0	45	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
9721	M1O	04-001/05:20:00.0	45	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
9722	M1O	04-001/05:20:00.0	45	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
9723	M1O	04-001/05:20:00.0	45	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
9724	M1O	04-001/05:20:00.0	45	Config: RCV: Parms:		
9725	M1O	04-001/05:20:00.0	45	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9726	M1O	04-001/05:20:00.0	45	Config: TGC: BAND=X, SR=79632.000000		
9727	M1O	04-001/05:20:00.0	45	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
9728	M1O	04-001/05:20:47.0	26	Range Modulation On: SUP=3.0dB		
9729	M1O	04-001/05:21:47.0	26	Begin Ranging Acquisition		
9730	M1O	04-001/05:26:06.5		NOTE: EXIT HGA KEEP OUT ZONE		
9731	M1O	04-001/05:33:45.8		NOTE: Exit Earth Occultation 9082		04-001/05:24:30.3
9732	M1O	04-001/05:33:45.8	26	Acquisition Of X-Band Signal		
9733	M1O	04-001/05:33:45.8	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9734	M1O	04-001/05:34:17.9	26	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9735	M1O	04-001/05:35:20.4		NOTE: Exit Planetary Atmosphere 9082		04-001/05:26:04.9
9736	M1O	04-001/05:39:17.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-001/05:30:01.5
9737	M1O	04-001/05:39:17.0	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9738	M1O	04-001/05:39:18.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-001/05:30:02.5
9739	M1O	04-001/05:45:43.8		NOTE: Descending Node Crossing 9083		04-001/05:36:28.2
9740	M1O	04-001/06:15:06.7		NOTE: South Pole Crossing 9083		04-001/06:05:51.1
9741	M1O	04-001/06:17:03.5		NOTE: Periapsis 9083 ----------		04-001/06:07:47.8
9742	M1O	04-001/06:31:31.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
9743	M1O	04-001/06:41:31.0	26	Range Modulation Off		
9744	M1O	04-001/06:43:29.6		NOTE: Enter Solar Eclipse 9083		04-001/06:34:13.8
9745	M1O	04-001/06:44:25.0		NOTE: Ascending Node Crossing 9083		04-001/06:35:09.3
9746	M1O	04-001/06:46:31.0	26	X-Band Transmitter Off		
9747	M1O	04-001/06:48:58.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-001/06:39:42.3
9748	M1O	04-001/06:49:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-001/06:39:44.4
9749	M1O	04-001/06:49:00.2	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9750	M1O	04-001/06:49:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-001/06:39:45.4
9751	M1O	04-001/06:50:00.0	45	Begin Tracking		
9752	M1O	04-001/06:50:00.0	45	Acquire D/L: X/08, 3-Way/26, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9753	M1O	04-001/06:50:00.1		NOTE: Changing to 34M (HEF) downlink rate: 66360_BPS		04-001/06:40:44.3
9754	M1O	04-001/06:50:00.1		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 66360_BPS	DOWNLINK_RATE	04-001/06:40:44.3
9755	M1O	04-001/06:50:00.1	45	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9756	M1O	04-001/06:50:00.1	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9757	M1O	04-001/06:51:28.4	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
9758	M1O	04-001/06:55:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-001/06:45:44.4
9759	M1O	04-001/06:55:00.2	45	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9760	M1O	04-001/06:55:00.2	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9761	M1O	04-001/06:55:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-001/06:45:45.4
9762	M1O	04-001/07:00:07.0	26	NOTE: Below Uplink Interlock Limit		
9763	M1O	04-001/07:04:00.3		SPAWN, Engine = 65535, Parameters = 3, 00:33:19.724, 1	dpt	04-001/06:54:44.5
9764	M1O	04-001/07:04:02.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-001/06:54:46.6
9765	M1O	04-001/07:04:02.4	45	D/L Change: X/08, 3-Way/26, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9766	M1O	04-001/07:04:02.4	26	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9767	M1O	04-001/07:04:03.4		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-001/06:54:47.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
9768	M1O	04-001/07:04:49.2		NOTE: Exit Solar Eclipse 9083		04-001/06:55:33.4
9769	M1O	04-001/07:05:02.4	45	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9770	M1O	04-001/07:05:02.4	26	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9771	M1O	04-001/07:05:03.8		NOTE: ENTER HGA KEEP OUT ZONE		
9772	M1O	04-001/07:05:03.8	45	NOTE: Loss Of X-Band Signal		
9773	M1O	04-001/07:05:03.8	26	NOTE: Loss Of X-Band Signal		
9774	M1O	04-001/07:09:15.8		SPAWN, Engine = 65535, Parameters =	scdiag	04-001/07:00:00.0
9775	M1O	04-001/07:09:16.9		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-001/07:00:01.1
9776	M1O	04-001/07:09:17.9		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-001/07:00:02.1
9777	M1O	04-001/07:10:00.0	26	End Tracking		
9778	M1O	04-001/07:10:18.8		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-001/07:01:03.0
9779	M1O	04-001/07:10:19.0		NOTE: Start Block fsw_diag		04-001/07:01:03.2
9780	M1O	04-001/07:10:20.0		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-001/07:01:04.2
9781	M1O	04-001/07:10:21.0		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	04-001/07:01:05.2
9782	M1O	04-001/07:10:32.0		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	04-001/07:01:16.2
9783	M1O	04-001/07:11:02.0		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-001/07:01:46.2
9784	M1O	04-001/07:11:22.0		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-001/07:02:06.2
9785	M1O	04-001/07:11:32.0		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-001/07:02:16.2
9786	M1O	04-001/07:11:52.0		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-001/07:02:36.2
9787	M1O	04-001/07:12:02.0		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-001/07:02:46.2
9788	M1O	04-001/07:12:07.0		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-001/07:02:51.2
9789	M1O	04-001/07:12:12.0		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-001/07:02:56.2
9790	M1O	04-001/07:12:15.2		NOTE: Enter Planetary Atmosphere 9083		04-001/07:02:59.4
9791	M1O	04-001/07:12:17.0		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-001/07:03:01.2
9792	M1O	04-001/07:12:22.0		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-001/07:03:06.2
9793	M1O	04-001/07:12:27.0		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-001/07:03:11.2
9794	M1O	04-001/07:13:07.0		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-001/07:03:51.2
9795	M1O	04-001/07:13:12.0		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-001/07:03:56.2
9796	M1O	04-001/07:13:17.0		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-001/07:04:01.2
9797	M1O	04-001/07:13:22.0		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-001/07:04:06.2
9798	M1O	04-001/07:13:27.0		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-001/07:04:11.2
9799	M1O	04-001/07:13:28.0		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-001/07:04:12.2
9800	M1O	04-001/07:13:29.0		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-001/07:04:13.2
9801	M1O	04-001/07:13:30.0		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-001/07:04:14.2
9802	M1O	04-001/07:13:41.0		NOTE: End Block fsw_diag.mod		04-001/07:04:25.2
9803	M1O	04-001/07:13:48.9		NOTE: Enter Earth Occultation 9083		04-001/07:04:33.1
9804	M1O	04-001/07:14:20.5		NOTE: North Pole Crossing 9083		04-001/07:05:04.7
9805	M1O	04-001/07:17:10.4		NOTE: Apoapsis 9083 -		04-001/07:07:54.5
9806	M1O	04-001/07:24:43.8		NOTE: EXIT HGA KEEP OUT ZONE		
9807	M1O	04-001/07:25:00.0	26	End Post-Cal		
9808	M1O	04-001/07:32:22.1		NOTE: Exit Earth Occultation 9083		04-001/07:23:06.2
9809	M1O	04-001/07:32:22.1	45	Acquisition Of X-Band Signal		
9810	M1O	04-001/07:32:22.1	45	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9811	M1O	04-001/07:33:56.7		NOTE: Exit Planetary Atmosphere 9083		04-001/07:24:40.8
9812	M1O	04-001/07:37:22.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-001/07:28:06.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9813	M1O	04-001/07:37:22.2	45	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9814	M1O	04-001/07:37:23.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-001/07:28:07.3
9815	M1O	04-001/07:44:20.8		NOTE: Descending Node Crossing 9084		04-001/07:35:04.9
9816	M1O	04-001/08:13:42.9		NOTE: South Pole Crossing 9084		04-001/08:04:26.8
9817	M1O	04-001/08:15:46.9		NOTE: Periapsis 9084 ----------		04-001/08:06:30.9
9818	M1O	04-001/08:42:02.2		NOTE: Enter Solar Eclipse 9084		04-001/08:32:46.1
9819	M1O	04-001/08:42:59.9		NOTE: Ascending Node Crossing 9084		04-001/08:33:43.8
9820	M1O	04-001/09:02:19.1		SPAWN, Engine = 65535, Parameters = 3, 00:33:37.646, 1	dpt	04-001/08:53:03.0
9821	M1O	04-001/09:02:21.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-001/08:53:05.1
9822	M1O	04-001/09:02:21.2	45	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9823	M1O	04-001/09:02:22.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-001/08:53:06.1
9824	M1O	04-001/09:03:21.1		NOTE: ENTER HGA KEEP OUT ZONE		
9825	M1O	04-001/09:03:21.1	45	NOTE: Loss Of X-Band Signal		
9826	M1O	04-001/09:03:26.1		NOTE: Exit Solar Eclipse 9084		04-001/08:54:09.9
9827	M1O	04-001/09:10:46.6		NOTE: Enter Planetary Atmosphere 9084		04-001/09:01:30.4
9828	M1O	04-001/09:12:19.9		NOTE: Enter Earth Occultation 9084		04-001/09:03:03.7
9829	M1O	04-001/09:12:55.2		NOTE: North Pole Crossing 9084		04-001/09:03:39.0
9830	M1O	04-001/09:15:39.7		NOTE: Apoapsis 9084 -		04-001/09:06:23.5
9831	M1O	04-001/09:21:23.2		SPAWN, Engine = 65535, Parameters = 001, 01, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-001/09:12:07.0
9832	M1O	04-001/09:21:24.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-001/09:12:08.1
9833	M1O	04-001/09:21:26.3		CALL, Engine = , Parameters = 56	get_cmd_opt	04-001/09:12:10.1
9834	M1O	04-001/09:21:26.6		CALL, Engine = , Parameters = 001, 01, 056	bld_autosw	04-001/09:12:10.4
9835	M1O	04-001/09:21:27.7		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-001/09:12:11.5
9836	M1O	04-001/09:21:28.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/09:12:12.6
9837	M1O	04-001/09:21:29.8		Deletes the designated file.: d:/dat/056_doy001_pass01_file01.dat	FILE_DELETE	04-001/09:12:13.6
9838	M1O	04-001/09:21:30.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/09:12:14.7
9839	M1O	04-001/09:21:31.9		Deletes the designated file.: d:/dat/056_doy001_pass01_file02.dat	FILE_DELETE	04-001/09:12:15.7
9840	M1O	04-001/09:21:33.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/09:12:16.8
9841	M1O	04-001/09:21:34.0		Deletes the designated file.: d:/dat/056_doy001_pass01_file03.dat	FILE_DELETE	04-001/09:12:17.8
9842	M1O	04-001/09:21:35.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/09:12:18.9
9843	M1O	04-001/09:21:36.1		Deletes the designated file.: d:/dat/056_doy001_pass01_file04.dat	FILE_DELETE	04-001/09:12:19.9
9844	M1O	04-001/09:21:37.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/09:12:21.0
9845	M1O	04-001/09:21:38.2		Deletes the designated file.: d:/dat/056_doy001_pass01_file05.dat	FILE_DELETE	04-001/09:12:22.0
9846	M1O	04-001/09:21:39.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/09:12:23.1
9847	M1O	04-001/09:21:40.3		Deletes the designated file.: d:/dat/056_doy001_pass01_file06.dat	FILE_DELETE	04-001/09:12:24.1
9848	M1O	04-001/09:21:41.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/09:12:25.2
9849	M1O	04-001/09:21:42.4		Deletes the designated file.: d:/dat/056_doy001_pass01_file07.dat	FILE_DELETE	04-001/09:12:26.2
9850	M1O	04-001/09:21:43.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/09:12:27.3
9851	M1O	04-001/09:21:44.5		Deletes the designated file.: d:/dat/056_doy001_pass01_file08.dat	FILE_DELETE	04-001/09:12:28.3
9852	M1O	04-001/09:21:45.6		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-001/09:12:29.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy001_pass01_file09.dat, d:/dat/autoswitch.dat		
9853	M1O	04-001/09:21:46.6		Deletes the designated file.: d:/dat/056_doy001_pass01_file09.dat	FILE_DELETE	04-001/09:12:30.4
9854	M1O	04-001/09:21:47.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/09:12:31.5
9855	M1O	04-001/09:21:48.7		Deletes the designated file.: d:/dat/056_doy001_pass01_file10.dat	FILE_DELETE	04-001/09:12:32.5
9856	M1O	04-001/09:21:49.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/09:12:33.6
9857	M1O	04-001/09:21:50.8		Deletes the designated file.: d:/dat/056_doy001_pass01_file11.dat	FILE_DELETE	04-001/09:12:34.6
9858	M1O	04-001/09:21:51.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/09:12:35.7
9859	M1O	04-001/09:21:52.9		Deletes the designated file.: d:/dat/056_doy001_pass01_file12.dat	FILE_DELETE	04-001/09:12:36.7
9860	M1O	04-001/09:21:54.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/09:12:37.8
9861	M1O	04-001/09:21:55.0		Deletes the designated file.: d:/dat/056_doy001_pass01_file13.dat	FILE_DELETE	04-001/09:12:38.8
9862	M1O	04-001/09:21:56.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/09:12:39.9
9863	M1O	04-001/09:21:57.1		Deletes the designated file.: d:/dat/056_doy001_pass01_file14.dat	FILE_DELETE	04-001/09:12:40.9
9864	M1O	04-001/09:21:58.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/09:12:42.0
9865	M1O	04-001/09:21:59.2		Deletes the designated file.: d:/dat/056_doy001_pass01_file15.dat	FILE_DELETE	04-001/09:12:43.0
9866	M1O	04-001/09:22:00.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/09:12:44.1
9867	M1O	04-001/09:22:01.3		Deletes the designated file.: d:/dat/056_doy001_pass01_file16.dat	FILE_DELETE	04-001/09:12:45.1
9868	M1O	04-001/09:22:02.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/09:12:46.2
9869	M1O	04-001/09:22:03.4		Deletes the designated file.: d:/dat/056_doy001_pass01_file17.dat	FILE_DELETE	04-001/09:12:47.2
9870	M1O	04-001/09:22:04.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/09:12:48.3
9871	M1O	04-001/09:22:05.5		Deletes the designated file.: d:/dat/056_doy001_pass01_file18.dat	FILE_DELETE	04-001/09:12:49.3
9872	M1O	04-001/09:22:06.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/09:12:50.4
9873	M1O	04-001/09:22:07.6		Deletes the designated file.: d:/dat/056_doy001_pass01_file19.dat	FILE_DELETE	04-001/09:12:51.4
9874	M1O	04-001/09:22:08.6		CALL, Engine = , Parameters = 56	get_apid	04-001/09:12:52.4
9875	M1O	04-001/09:22:09.7		CALL, Engine = , Parameters = 56	get_rcv_mode	04-001/09:12:53.5
9876	M1O	04-001/09:22:09.9		CALL, Engine = , Parameters = 56	get_dl_rate	04-001/09:12:53.7
9877	M1O	04-001/09:22:11.0		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-001/09:12:54.8
9878	M1O	04-001/09:22:12.2		CALL, Engine = , Parameters = 56	get_coding	04-001/09:12:56.0
9879	M1O	04-001/09:22:13.4		CALL, Engine = , Parameters = 56	get_xmt_mode	04-001/09:12:57.2
9880	M1O	04-001/09:22:14.6		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-001/09:12:58.4
9881	M1O	04-001/09:23:19.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-001/09:14:03.2
9882	M1O	04-001/09:23:20.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-001/09:14:04.2
9883	M1O	04-001/09:23:21.2		NOTE: EXIT HGA KEEP OUT ZONE		
9884	M1O	04-001/09:23:21.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-001/09:14:05.2
9885	M1O	04-001/09:23:22.4		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-001/09:14:06.2
9886	M1O	04-001/09:23:23.4		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-001/09:14:07.2
9887	M1O	04-001/09:23:24.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-001/09:14:08.2
9888	M1O	04-001/09:23:25.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/09:14:09.2
9889	M1O	04-001/09:24:15.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-001/09:14:59.2
9890	M1O	04-001/09:24:25.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-001/09:15:09.2
9891	M1O	04-001/09:26:26.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK,	UHF_XMIT_MODE	04-001/09:17:10.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT, DISABLE		
9892	M1O	04-001/09:26:27.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/09:17:11.2
9893	M1O	04-001/09:28:26.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/09:19:10.2
9894	M1O	04-001/09:28:27.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/09:19:11.2
9895	M1O	04-001/09:30:26.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/09:21:10.2
9896	M1O	04-001/09:30:27.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/09:21:11.2
9897	M1O	04-001/09:30:58.9		NOTE: Exit Earth Occultation 9084		04-001/09:21:42.6
9898	M1O	04-001/09:30:58.9	45	Acquisition Of X-Band Signal		
9899	M1O	04-001/09:30:58.9	45	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9900	M1O	04-001/09:32:26.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/09:23:10.2
9901	M1O	04-001/09:32:27.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/09:23:11.2
9902	M1O	04-001/09:32:33.1		NOTE: Exit Planetary Atmosphere 9084		04-001/09:23:16.8
9903	M1O	04-001/09:34:26.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/09:25:10.2
9904	M1O	04-001/09:34:27.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/09:25:11.2
9905	M1O	04-001/09:35:59.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-001/09:26:42.7
9906	M1O	04-001/09:35:59.0	45	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9907	M1O	04-001/09:35:59.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-001/09:26:43.7
9908	M1O	04-001/09:35:59.9	45	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9909	M1O	04-001/09:36:00.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-001/09:26:43.7
9910	M1O	04-001/09:36:26.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/09:27:10.2
9911	M1O	04-001/09:36:27.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/09:27:11.2
9912	M1O	04-001/09:38:26.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/09:29:10.2
9913	M1O	04-001/09:38:27.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/09:29:11.2
9914	M1O	04-001/09:40:26.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/09:31:10.2
9915	M1O	04-001/09:40:27.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/09:31:11.2
9916	M1O	04-001/09:42:26.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/09:33:10.2
9917	M1O	04-001/09:42:27.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/09:33:11.2
9918	M1O	04-001/09:42:55.2		NOTE: Descending Node Crossing 9085		04-001/09:33:38.9
9919	M1O	04-001/09:44:26.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/09:35:10.2
9920	M1O	04-001/09:44:27.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/09:35:11.2
9921	M1O	04-001/09:46:26.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/09:37:10.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9922	M1O	04-001/09:46:27.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/09:37:11.2
9923	M1O	04-001/09:48:26.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/09:39:10.2
9924	M1O	04-001/09:48:27.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/09:39:11.2
9925	M1O	04-001/09:50:26.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/09:41:10.2
9926	M1O	04-001/09:50:27.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/09:41:11.2
9927	M1O	04-001/09:52:26.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/09:43:10.2
9928	M1O	04-001/09:52:27.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/09:43:11.2
9929	M1O	04-001/09:54:26.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/09:45:10.2
9930	M1O	04-001/09:54:27.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/09:45:11.2
9931	M1O	04-001/09:55:23.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/09:46:07.2
9932	M1O	04-001/09:55:24.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-001/09:46:08.3
9933	M1O	04-001/09:55:34.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-001/09:46:18.3
9934	M1O	04-001/09:55:35.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-001/09:46:19.3
9935	M1O	04-001/09:55:36.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-001/09:46:20.3
9936	M1O	04-001/09:55:36.6	45	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9937	M1O	04-001/09:55:37.6		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-001/09:46:21.3
9938	M1O	04-001/10:00:36.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-001/09:51:20.0
9939	M1O	04-001/10:00:36.3	45	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9940	M1O	04-001/10:11:50.3		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-001/10:02:34.0
9941	M1O	04-001/10:12:06.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-364T10:02:34.100, 2004-001T10:02:34.100	PCKTS_RE_TX_TIME	04-001/10:02:49.8
9942	M1O	04-001/10:12:07.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-364T10:02:34.100, 2004-001T10:02:34.100	PCKTS_RE_TX_TIME	04-001/10:02:50.8
9943	M1O	04-001/10:12:08.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-364T10:02:34.100, 2004-001T10:02:34.100	PCKTS_RE_TX_TIME	04-001/10:02:51.8
9944	M1O	04-001/10:12:09.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-364T10:02:34.100, 2004-001T10:02:34.100	PCKTS_RE_TX_TIME	04-001/10:02:52.8
9945	M1O	04-001/10:12:10.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-364T10:02:34.100, 2004-001T10:02:34.100	PCKTS_RE_TX_TIME	04-001/10:02:53.8
9946	M1O	04-001/10:12:11.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-364T10:02:34.100, 2004-001T10:02:34.100	PCKTS_RE_TX_TIME	04-001/10:02:54.8
9947	M1O	04-001/10:12:11.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-001/10:02:54.8
9948	M1O	04-001/10:12:11.1	45	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9949	M1O	04-001/10:12:16.1		NOTE: South Pole Crossing 9085		04-001/10:02:59.7
9950	M1O	04-001/10:14:02.7		NOTE: Periapsis 9085 ----------		04-001/10:04:46.3
9951	M1O	04-001/10:19:12.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-001/10:09:55.8
9952	M1O	04-001/10:19:12.2	45	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9953	M1O	04-001/10:19:13.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-001/10:09:56.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9954	M1O	04-001/10:19:29.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-001/10:10:12.8
9955	M1O	04-001/10:19:29.2	45	D/L RF Warning: SC antenna change - expect signal level variation		
9956	M1O	04-001/10:19:30.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-001/10:10:13.8
9957	M1O	04-001/10:20:00.0	45	End Tracking		
9958	M1O	04-001/10:35:00.0	45	End Post-Cal		
9959	M1O	04-001/10:40:34.1		NOTE: Enter Solar Eclipse 9085		04-001/10:31:17.6
9960	M1O	04-001/10:41:32.4		NOTE: Ascending Node Crossing 9085		04-001/10:32:15.9
9961	M1O	04-001/11:01:55.5		NOTE: ENTER HGA KEEP OUT ZONE		
9962	M1O	04-001/11:02:00.4		NOTE: Exit Solar Eclipse 9085		04-001/10:52:43.8
9963	M1O	04-001/11:09:15.1		NOTE: Enter Planetary Atmosphere 9085		04-001/10:59:58.6
9964	M1O	04-001/11:10:48.0		NOTE: Enter Earth Occultation 9085		04-001/11:01:31.4
9965	M1O	04-001/11:11:27.2		NOTE: North Pole Crossing 9085		04-001/11:02:10.7
9966	M1O	04-001/11:13:52.9		NOTE: Apoapsis 9085 -		04-001/11:04:36.4
9967	M1O	04-001/11:21:55.5		NOTE: EXIT HGA KEEP OUT ZONE		
9968	M1O	04-001/11:26:45.6		SPAWN, Engine = 65535, Parameters = 001, 02, TRUE, 00:15:12.045, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-001/11:17:29.0
9969	M1O	04-001/11:26:46.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-001/11:17:30.1
9970	M1O	04-001/11:26:48.7		CALL, Engine = , Parameters = 56	get_cmd_opt	04-001/11:17:32.1
9971	M1O	04-001/11:26:49.0		CALL, Engine = , Parameters = 001, 02, 056	bld_autosw	04-001/11:17:32.4
9972	M1O	04-001/11:26:50.1		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-001/11:17:33.5
9973	M1O	04-001/11:26:51.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/11:17:34.6
9974	M1O	04-001/11:26:52.2		Deletes the designated file.: d:/dat/056_doy001_pass02_file01.dat	FILE_DELETE	04-001/11:17:35.6
9975	M1O	04-001/11:26:53.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/11:17:36.7
9976	M1O	04-001/11:26:54.3		Deletes the designated file.: d:/dat/056_doy001_pass02_file02.dat	FILE_DELETE	04-001/11:17:37.7
9977	M1O	04-001/11:26:55.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/11:17:38.8
9978	M1O	04-001/11:26:56.4		Deletes the designated file.: d:/dat/056_doy001_pass02_file03.dat	FILE_DELETE	04-001/11:17:39.8
9979	M1O	04-001/11:26:57.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/11:17:40.9
9980	M1O	04-001/11:26:58.5		Deletes the designated file.: d:/dat/056_doy001_pass02_file04.dat	FILE_DELETE	04-001/11:17:41.9
9981	M1O	04-001/11:26:59.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/11:17:43.0
9982	M1O	04-001/11:27:00.6		Deletes the designated file.: d:/dat/056_doy001_pass02_file05.dat	FILE_DELETE	04-001/11:17:44.0
9983	M1O	04-001/11:27:01.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/11:17:45.1
9984	M1O	04-001/11:27:02.7		Deletes the designated file.: d:/dat/056_doy001_pass02_file06.dat	FILE_DELETE	04-001/11:17:46.1
9985	M1O	04-001/11:27:03.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/11:17:47.2
9986	M1O	04-001/11:27:04.8		Deletes the designated file.: d:/dat/056_doy001_pass02_file07.dat	FILE_DELETE	04-001/11:17:48.2
9987	M1O	04-001/11:27:05.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/11:17:49.3
9988	M1O	04-001/11:27:06.9		Deletes the designated file.: d:/dat/056_doy001_pass02_file08.dat	FILE_DELETE	04-001/11:17:50.3
9989	M1O	04-001/11:27:08.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/11:17:51.4
9990	M1O	04-001/11:27:09.0		Deletes the designated file.: d:/dat/056_doy001_pass02_file09.dat	FILE_DELETE	04-001/11:17:52.4
9991	M1O	04-001/11:27:10.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/11:17:53.5
9992	M1O	04-001/11:27:11.1		Deletes the designated file.: d:/dat/056_doy001_pass02_file10.dat	FILE_DELETE	04-001/11:17:54.5
9993	M1O	04-001/11:27:12.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/11:17:55.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9994	M1O	04-001/11:27:13.2		Deletes the designated file.: d:/dat/056_doy001_pass02_file11.dat	FILE_DELETE	04-001/11:17:56.6
9995	M1O	04-001/11:27:14.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/11:17:57.7
9996	M1O	04-001/11:27:15.3		Deletes the designated file.: d:/dat/056_doy001_pass02_file12.dat	FILE_DELETE	04-001/11:17:58.7
9997	M1O	04-001/11:27:16.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/11:17:59.8
9998	M1O	04-001/11:27:17.4		Deletes the designated file.: d:/dat/056_doy001_pass02_file13.dat	FILE_DELETE	04-001/11:18:00.8
9999	M1O	04-001/11:27:18.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/11:18:01.9
10000	M1O	04-001/11:27:19.5		Deletes the designated file.: d:/dat/056_doy001_pass02_file14.dat	FILE_DELETE	04-001/11:18:02.9
10001	M1O	04-001/11:27:20.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/11:18:04.0
10002	M1O	04-001/11:27:21.6		Deletes the designated file.: d:/dat/056_doy001_pass02_file15.dat	FILE_DELETE	04-001/11:18:05.0
10003	M1O	04-001/11:27:22.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/11:18:06.1
10004	M1O	04-001/11:27:23.7		Deletes the designated file.: d:/dat/056_doy001_pass02_file16.dat	FILE_DELETE	04-001/11:18:07.1
10005	M1O	04-001/11:27:24.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/11:18:08.2
10006	M1O	04-001/11:27:25.8		Deletes the designated file.: d:/dat/056_doy001_pass02_file17.dat	FILE_DELETE	04-001/11:18:09.2
10007	M1O	04-001/11:27:26.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/11:18:10.3
10008	M1O	04-001/11:27:27.9		Deletes the designated file.: d:/dat/056_doy001_pass02_file18.dat	FILE_DELETE	04-001/11:18:11.3
10009	M1O	04-001/11:27:29.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/11:18:12.4
10010	M1O	04-001/11:27:30.0		Deletes the designated file.: d:/dat/056_doy001_pass02_file19.dat	FILE_DELETE	04-001/11:18:13.4
10011	M1O	04-001/11:27:31.0		CALL, Engine = , Parameters = 56	get_apid	04-001/11:18:14.4
10012	M1O	04-001/11:27:32.1		CALL, Engine = , Parameters = 56	get_rcv_mode	04-001/11:18:15.5
10013	M1O	04-001/11:27:32.3		CALL, Engine = , Parameters = 56	get_dl_rate	04-001/11:18:15.7
10014	M1O	04-001/11:27:33.4		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-001/11:18:16.8
10015	M1O	04-001/11:27:34.6		CALL, Engine = , Parameters = 56	get_coding	04-001/11:18:18.0
10016	M1O	04-001/11:27:35.8		CALL, Engine = , Parameters = 56	get_xmt_mode	04-001/11:18:19.2
10017	M1O	04-001/11:27:37.0		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-001/11:18:20.4
10018	M1O	04-001/11:28:41.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-001/11:19:25.2
10019	M1O	04-001/11:28:42.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-001/11:19:26.2
10020	M1O	04-001/11:28:43.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-001/11:19:27.2
10021	M1O	04-001/11:28:44.8		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-001/11:19:28.2
10022	M1O	04-001/11:28:45.8		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-001/11:19:29.2
10023	M1O	04-001/11:28:46.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-001/11:19:30.2
10024	M1O	04-001/11:28:47.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/11:19:31.2
10025	M1O	04-001/11:29:32.8		NOTE: Exit Earth Occultation 9085		04-001/11:20:16.2
10026	M1O	04-001/11:29:37.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-001/11:20:21.2
10027	M1O	04-001/11:29:47.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-001/11:20:31.2
10028	M1O	04-001/11:31:06.6		NOTE: Exit Planetary Atmosphere 9085		04-001/11:21:50.0
10029	M1O	04-001/11:31:48.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/11:22:32.2
10030	M1O	04-001/11:31:49.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/11:22:33.2
10031	M1O	04-001/11:33:48.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/11:24:32.2
10032	M1O	04-001/11:33:49.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	04-001/11:24:33.2

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				BYPASS_COD, PSK		
10033	M1O	04-001/11:35:48.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/11:26:32.2
10034	M1O	04-001/11:35:49.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/11:26:33.2
10035	M1O	04-001/11:37:48.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/11:28:32.2
10036	M1O	04-001/11:37:49.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/11:28:33.2
10037	M1O	04-001/11:39:48.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/11:30:32.2
10038	M1O	04-001/11:39:49.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/11:30:33.2
10039	M1O	04-001/11:41:26.3		NOTE: Descending Node Crossing 9086		04-001/11:32:09.7
10040	M1O	04-001/11:41:48.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/11:32:32.2
10041	M1O	04-001/11:41:49.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/11:32:33.2
10042	M1O	04-001/11:43:48.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/11:34:32.2
10043	M1O	04-001/11:43:49.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/11:34:33.2
10044	M1O	04-001/11:43:57.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/11:34:41.2
10045	M1O	04-001/11:43:59.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-001/11:34:42.3
10046	M1O	04-001/11:44:09.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-001/11:34:52.3
10047	M1O	04-001/11:44:10.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-001/11:34:53.3
10048	M1O	04-001/11:44:11.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-001/11:34:54.3
10049	M1O	04-001/11:44:12.0		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-001/11:34:55.3
10050	M1O	04-001/12:10:47.2		NOTE: South Pole Crossing 9086		04-001/12:01:30.4
10051	M1O	04-001/12:12:18.1		NOTE: Periapsis 9086 ----------		04-001/12:03:01.3
10052	M1O	04-001/12:39:06.8		NOTE: Enter Solar Eclipse 9086		04-001/12:29:49.9
10053	M1O	04-001/12:40:04.2		NOTE: Ascending Node Crossing 9086		04-001/12:30:47.3
10054	M1O	04-001/13:00:25.8		NOTE: ENTER HGA KEEP OUT ZONE		
10055	M1O	04-001/13:00:30.2		NOTE: Exit Solar Eclipse 9086		04-001/12:51:13.3
10056	M1O	04-001/13:07:48.4		NOTE: Enter Planetary Atmosphere 9086		04-001/12:58:31.4
10057	M1O	04-001/13:09:21.6		NOTE: Enter Earth Occultation 9086		04-001/13:00:04.7
10058	M1O	04-001/13:09:58.8		NOTE: North Pole Crossing 9086		04-001/13:00:41.9
10059	M1O	04-001/13:12:32.7		NOTE: Apoapsis 9086 -		04-001/13:03:15.8
10060	M1O	04-001/13:20:25.9		NOTE: EXIT HGA KEEP OUT ZONE		
10061	M1O	04-001/13:28:01.7		NOTE: Exit Earth Occultation 9086		04-001/13:18:44.7
10062	M1O	04-001/13:29:35.8		NOTE: Exit Planetary Atmosphere 9086		04-001/13:20:18.9
10063	M1O	04-001/13:39:57.8		NOTE: Descending Node Crossing 9087		04-001/13:30:40.8
10064	M1O	04-001/14:09:19.5		NOTE: South Pole Crossing 9087		04-001/14:00:02.3
10065	M1O	04-001/14:10:52.7		NOTE: Periapsis 9087 ----------		04-001/14:01:35.6
10066	M1O	04-001/14:37:40.8		NOTE: Enter Solar Eclipse 9087		04-001/14:28:23.6
10067	M1O	04-001/14:38:37.4		NOTE: Ascending Node Crossing 9087		04-001/14:29:20.2
10068	M1O	04-001/14:58:58.2		NOTE: ENTER HGA KEEP OUT ZONE		
10069	M1O	04-001/14:58:58.3		NOTE: Exit Solar Eclipse 9087		04-001/14:49:41.0
10070	M1O	04-001/15:06:29.7		NOTE: Enter Planetary Atmosphere 9087		04-001/14:57:12.4
10071	M1O	04-001/15:08:04.0		NOTE: Enter Earth Occultation 9087		04-001/14:58:46.7
10072	M1O	04-001/15:08:33.5		NOTE: North Pole Crossing 9087		04-001/14:59:16.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10073	M1O	04-001/15:11:07.2		NOTE: Apoapsis 9087 -		04-001/15:01:49.9
10074	M1O	04-001/15:18:58.3		NOTE: EXIT HGA KEEP OUT ZONE		
10075	M1O	04-001/15:26:31.2		NOTE: Exit Earth Occultation 9087		04-001/15:17:13.8
10076	M1O	04-001/15:28:06.4		NOTE: Exit Planetary Atmosphere 9087		04-001/15:18:49.0
10077	M1O	04-001/15:38:33.9		NOTE: Descending Node Crossing 9088		04-001/15:29:16.5
10078	M1O	04-001/15:45:00.0	54	Begin Pre-Cal		
10079	M1O	04-001/15:45:00.0	54	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
10080	M1O	04-001/15:45:00.0	54	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
10081	M1O	04-001/15:45:00.0	54	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
10082	M1O	04-001/15:45:00.0	54	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
10083	M1O	04-001/15:45:00.0	54	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
10084	M1O	04-001/15:45:00.0	54	Config: RCV: Parms:		
10085	M1O	04-001/15:45:00.0	54	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
10086	M1O	04-001/15:45:00.0	54	Config: TGC: BAND=X, SR=132720.000000		
10087	M1O	04-001/15:45:00.0	54	Config: TXL		
10088	M1O	04-001/15:45:00.0	54	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
10089	M1O	04-001/15:45:00.0	54	Config: CMD		
10090	M1O	04-001/15:45:00.0	54	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
10091	M1O	04-001/16:07:55.6		NOTE: South Pole Crossing 9088		04-001/15:58:38.1
10092	M1O	04-001/16:09:34.0		NOTE: Periapsis 9088 ----------		04-001/16:00:16.5
10093	M1O	04-001/16:36:16.0		NOTE: Enter Solar Eclipse 9088		04-001/16:26:58.4
10094	M1O	04-001/16:37:13.2		NOTE: Ascending Node Crossing 9088		04-001/16:27:55.6
10095	M1O	04-001/16:57:30.7		NOTE: Exit Solar Eclipse 9088		04-001/16:48:13.1
10096	M1O	04-001/16:57:53.6		NOTE: ENTER HGA KEEP OUT ZONE		
10097	M1O	04-001/17:05:09.9		NOTE: Enter Planetary Atmosphere 9088		04-001/16:55:52.2
10098	M1O	04-001/17:06:44.6		NOTE: Enter Earth Occultation 9088		04-001/16:57:26.9
10099	M1O	04-001/17:07:10.0		NOTE: North Pole Crossing 9088		04-001/16:57:52.3
10100	M1O	04-001/17:09:35.2		NOTE: Apoapsis 9088 -		04-001/17:00:17.5
10101	M1O	04-001/17:15:00.0	54	Begin Tracking		
10102	M1O	04-001/17:15:00.9		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-001/17:05:43.2
10103	M1O	04-001/17:15:00.9		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	04-001/17:05:43.2
10104	M1O	04-001/17:16:00.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10105	M1O	04-001/17:17:33.6		NOTE: EXIT HGA KEEP OUT ZONE		
10106	M1O	04-001/17:21:00.0	54	Range Modulation On: SUP=3.0dB		
10107	M1O	04-001/17:22:00.0	54	Begin Ranging Acquisition		
10108	M1O	04-001/17:24:40.5		SPAWN, Engine = 65535, Parameters = 00:14:28.842	cstr	04-001/17:15:22.7
10109	M1O	04-001/17:24:40.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-001/17:15:22.8
10110	M1O	04-001/17:24:41.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-001/17:15:23.8
10111	M1O	04-001/17:24:42.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-001/17:15:24.8
10112	M1O	04-001/17:24:43.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-001/17:15:25.8
10113	M1O	04-001/17:24:44.6		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-001/17:15:26.8
10114	M1O	04-001/17:24:54.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-001/17:15:36.8
10115	M1O	04-001/17:25:04.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-001/17:15:46.8
10116	M1O	04-001/17:25:05.5		NOTE: Exit Earth Occultation 9088		04-001/17:15:47.7
10117	M1O	04-001/17:25:05.5	54	Acquisition Of X-Band Signal		
10118	M1O	04-001/17:25:05.5	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10119	M1O	04-001/17:26:41.1		NOTE: Exit Planetary Atmosphere 9088		04-001/17:17:23.4
10120	M1O	04-001/17:34:35.3	54	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10121	M1O	04-001/17:37:11.2		NOTE: Descending Node Crossing 9089		04-001/17:27:53.5
10122	M1O	04-001/17:39:33.4		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-001/17:30:15.7

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				d:/tlm/tlm_rate_map.cfg		
10123	M1O	04-001/17:39:34.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-001/17:30:16.7
10124	M1O	04-001/17:39:34.4	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10125	M1O	04-001/17:39:35.4		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-001/17:30:17.7
10126	M1O	04-001/18:06:32.8		NOTE: South Pole Crossing 9089		04-001/17:57:15.0
10127	M1O	04-001/18:08:08.5		NOTE: Periapsis 9089 ----------		04-001/17:58:50.6
10128	M1O	04-001/18:22:54.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
10129	M1O	04-001/18:32:54.0	54	Range Modulation Off		
10130	M1O	04-001/18:34:52.5		NOTE: Enter Solar Eclipse 9089		04-001/18:25:34.6
10131	M1O	04-001/18:35:50.1		NOTE: Ascending Node Crossing 9089		04-001/18:26:32.2
10132	M1O	04-001/18:37:54.0	54	X-Band Transmitter Off		
10133	M1O	04-001/18:55:27.7		SPAWN, Engine = 65535, Parameters = 3, 00:33:45, 1	dpt	04-001/18:46:09.7
10134	M1O	04-001/18:55:29.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-001/18:46:11.8
10135	M1O	04-001/18:55:29.8	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10136	M1O	04-001/18:55:30.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-001/18:46:12.8
10137	M1O	04-001/18:56:07.5		NOTE: Exit Solar Eclipse 9089		04-001/18:46:49.5
10138	M1O	04-001/18:56:29.8	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10139	M1O	04-001/18:56:30.9		NOTE: ENTER HGA KEEP OUT ZONE		
10140	M1O	04-001/18:56:30.9	54	NOTE: Loss Of X-Band Signal		
10141	M1O	04-001/19:03:45.1		NOTE: Enter Planetary Atmosphere 9089		04-001/18:54:27.0
10142	M1O	04-001/19:05:19.5		NOTE: Enter Earth Occultation 9089		04-001/18:56:01.5
10143	M1O	04-001/19:05:39.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10144	M1O	04-001/19:05:46.6		NOTE: North Pole Crossing 9089		04-001/18:56:28.6
10145	M1O	04-001/19:07:57.0		NOTE: Apoapsis 9089 -		04-001/18:58:39.0
10146	M1O	04-001/19:10:39.0	54	Range Modulation On: SUP=3.0dB		
10147	M1O	04-001/19:11:39.0	54	Begin Ranging Acquisition		
10148	M1O	04-001/19:16:11.0		NOTE: EXIT HGA KEEP OUT ZONE		
10149	M1O	04-001/19:23:43.1		NOTE: Exit Earth Occultation 9089		04-001/19:14:25.0
10150	M1O	04-001/19:23:43.1	54	Acquisition Of X-Band Signal		
10151	M1O	04-001/19:23:43.1	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10152	M1O	04-001/19:24:15.0	54	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10153	M1O	04-001/19:25:18.6		NOTE: Exit Planetary Atmosphere 9089		04-001/19:16:00.5
10154	M1O	04-001/19:29:14.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-001/19:19:56.8
10155	M1O	04-001/19:29:14.9	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10156	M1O	04-001/19:29:15.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-001/19:19:57.8
10157	M1O	04-001/19:35:47.3		NOTE: Descending Node Crossing 9090		04-001/19:26:29.2
10158	M1O	04-001/20:05:09.0		NOTE: South Pole Crossing 9090		04-001/19:55:50.8
10159	M1O	04-001/20:06:42.6		NOTE: Periapsis 9090 ----------		04-001/19:57:24.3
10160	M1O	04-001/20:21:30.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
10161	M1O	04-001/20:31:30.0	54	Range Modulation Off		
10162	M1O	04-001/20:33:28.7		NOTE: Enter Solar Eclipse 9090		04-001/20:24:10.4
10163	M1O	04-001/20:34:26.5		NOTE: Ascending Node Crossing 9090		04-001/20:25:08.2
10164	M1O	04-001/20:36:30.0	54	X-Band Transmitter Off		
10165	M1O	04-001/20:54:04.0		SPAWN, Engine = 65535, Parameters = 3, 00:33:46, 1	dpt	04-001/20:44:45.7
10166	M1O	04-001/20:54:06.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-001/20:44:47.8
10167	M1O	04-001/20:54:06.1	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10168	M1O	04-001/20:54:07.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-001/20:44:48.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10169	M1O	04-001/20:54:46.5		NOTE: Exit Solar Eclipse 9090		04-001/20:45:28.1
10170	M1O	04-001/20:55:06.6	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10171	M1O	04-001/20:55:07.3		NOTE: ENTER HGA KEEP OUT ZONE		
10172	M1O	04-001/20:55:07.3	54	NOTE: Loss Of X-Band Signal		
10173	M1O	04-001/21:02:15.0		NOTE: Enter Planetary Atmosphere 9090		04-001/20:52:56.6
10174	M1O	04-001/21:03:48.8		NOTE: Enter Earth Occultation 9090		04-001/20:54:30.4
10175	M1O	04-001/21:04:16.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10176	M1O	04-001/21:04:21.8		NOTE: North Pole Crossing 9090		04-001/20:55:03.4
10177	M1O	04-001/21:06:27.3		NOTE: Apoapsis 9090 -		04-001/20:57:08.9
10178	M1O	04-001/21:09:16.0	54	Range Modulation On: SUP=3.0dB		
10179	M1O	04-001/21:10:16.0	54	Begin Ranging Acquisition		
10180	M1O	04-001/21:14:47.4		NOTE: EXIT HGA KEEP OUT ZONE		
10181	M1O	04-001/21:22:21.1		NOTE: Exit Earth Occultation 9090		04-001/21:13:02.7
10182	M1O	04-001/21:22:21.1	54	Acquisition Of X-Band Signal		
10183	M1O	04-001/21:22:21.1	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10184	M1O	04-001/21:22:52.7	54	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10185	M1O	04-001/21:23:55.9		NOTE: Exit Planetary Atmosphere 9090		04-001/21:14:37.4
10186	M1O	04-001/21:27:52.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-001/21:18:33.8
10187	M1O	04-001/21:27:52.3	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10188	M1O	04-001/21:27:53.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-001/21:18:34.8
10189	M1O	04-001/21:34:21.1		NOTE: Descending Node Crossing 9091		04-001/21:25:02.6
10190	M1O	04-001/21:40:00.0	25	Begin Pre-Cal		
10191	M1O	04-001/21:40:00.0	25	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
10192	M1O	04-001/21:40:00.0	25	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
10193	M1O	04-001/21:40:00.0	25	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
10194	M1O	04-001/21:40:00.0	25	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
10195	M1O	04-001/21:40:00.0	25	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
10196	M1O	04-001/21:40:00.0	25	Config: RCV: Parms:		
10197	M1O	04-001/21:40:00.0	25	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
10198	M1O	04-001/21:40:00.0	25	Config: TGC: BAND=X, SR=79632.000000		
10199	M1O	04-001/21:40:00.0	25	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
10200	M1O	04-001/22:03:42.6		NOTE: South Pole Crossing 9091		04-001/21:54:24.1
10201	M1O	04-001/22:05:19.2		NOTE: Periapsis 9091 ----------		04-001/21:56:00.6
10202	M1O	04-001/22:18:41.6		SPAWN, Engine = 65535, Parameters = 001, 03, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-001/22:09:23.0
10203	M1O	04-001/22:18:42.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-001/22:09:23.5
10204	M1O	04-001/22:18:42.1	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10205	M1O	04-001/22:18:42.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-001/22:09:24.1
10206	M1O	04-001/22:18:44.7		CALL, Engine = , Parameters = 56	get_cmd_opt	04-001/22:09:26.1
10207	M1O	04-001/22:18:45.0		CALL, Engine = , Parameters = 001, 03, 056	bld_autosw	04-001/22:09:26.4
10208	M1O	04-001/22:18:46.1		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-001/22:09:27.5
10209	M1O	04-001/22:18:47.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/22:09:28.6
10210	M1O	04-001/22:18:48.2		Deletes the designated file.: d:/dat/056_doy001_pass03_file01.dat	FILE_DELETE	04-001/22:09:29.6
10211	M1O	04-001/22:18:49.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/22:09:30.7
10212	M1O	04-001/22:18:50.3		Deletes the designated file.: d:/dat/056_doy001_pass03_file02.dat	FILE_DELETE	04-001/22:09:31.7
10213	M1O	04-001/22:18:51.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/22:09:32.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10214	M1O	04-001/22:18:52.4		Deletes the designated file.: d:/dat/056_doy001_pass03_file03.dat	FILE_DELETE	04-001/22:09:33.8
10215	M1O	04-001/22:18:53.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/22:09:34.9
10216	M1O	04-001/22:18:54.5		Deletes the designated file.: d:/dat/056_doy001_pass03_file04.dat	FILE_DELETE	04-001/22:09:35.9
10217	M1O	04-001/22:18:55.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/22:09:37.0
10218	M1O	04-001/22:18:56.6		Deletes the designated file.: d:/dat/056_doy001_pass03_file05.dat	FILE_DELETE	04-001/22:09:38.0
10219	M1O	04-001/22:18:57.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/22:09:39.1
10220	M1O	04-001/22:18:58.7		Deletes the designated file.: d:/dat/056_doy001_pass03_file06.dat	FILE_DELETE	04-001/22:09:40.1
10221	M1O	04-001/22:18:59.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/22:09:41.2
10222	M1O	04-001/22:19:00.8		Deletes the designated file.: d:/dat/056_doy001_pass03_file07.dat	FILE_DELETE	04-001/22:09:42.2
10223	M1O	04-001/22:19:01.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/22:09:43.3
10224	M1O	04-001/22:19:02.9		Deletes the designated file.: d:/dat/056_doy001_pass03_file08.dat	FILE_DELETE	04-001/22:09:44.3
10225	M1O	04-001/22:19:04.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/22:09:45.4
10226	M1O	04-001/22:19:05.0		Deletes the designated file.: d:/dat/056_doy001_pass03_file09.dat	FILE_DELETE	04-001/22:09:46.4
10227	M1O	04-001/22:19:06.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/22:09:47.5
10228	M1O	04-001/22:19:07.1		Deletes the designated file.: d:/dat/056_doy001_pass03_file10.dat	FILE_DELETE	04-001/22:09:48.5
10229	M1O	04-001/22:19:08.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/22:09:49.6
10230	M1O	04-001/22:19:09.2		Deletes the designated file.: d:/dat/056_doy001_pass03_file11.dat	FILE_DELETE	04-001/22:09:50.6
10231	M1O	04-001/22:19:10.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/22:09:51.7
10232	M1O	04-001/22:19:11.3		Deletes the designated file.: d:/dat/056_doy001_pass03_file12.dat	FILE_DELETE	04-001/22:09:52.7
10233	M1O	04-001/22:19:12.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/22:09:53.8
10234	M1O	04-001/22:19:13.4		Deletes the designated file.: d:/dat/056_doy001_pass03_file13.dat	FILE_DELETE	04-001/22:09:54.8
10235	M1O	04-001/22:19:14.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/22:09:55.9
10236	M1O	04-001/22:19:15.5		Deletes the designated file.: d:/dat/056_doy001_pass03_file14.dat	FILE_DELETE	04-001/22:09:56.9
10237	M1O	04-001/22:19:16.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/22:09:58.0
10238	M1O	04-001/22:19:17.6		Deletes the designated file.: d:/dat/056_doy001_pass03_file15.dat	FILE_DELETE	04-001/22:09:59.0
10239	M1O	04-001/22:19:18.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/22:10:00.1
10240	M1O	04-001/22:19:19.7		Deletes the designated file.: d:/dat/056_doy001_pass03_file16.dat	FILE_DELETE	04-001/22:10:01.1
10241	M1O	04-001/22:19:20.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/22:10:02.2
10242	M1O	04-001/22:19:21.8		Deletes the designated file.: d:/dat/056_doy001_pass03_file17.dat	FILE_DELETE	04-001/22:10:03.2
10243	M1O	04-001/22:19:22.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/22:10:04.3
10244	M1O	04-001/22:19:23.9		Deletes the designated file.: d:/dat/056_doy001_pass03_file18.dat	FILE_DELETE	04-001/22:10:05.3
10245	M1O	04-001/22:19:25.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/22:10:06.4
10246	M1O	04-001/22:19:26.0		Deletes the designated file.: d:/dat/056_doy001_pass03_file19.dat	FILE_DELETE	04-001/22:10:07.4
10247	M1O	04-001/22:19:27.0		CALL, Engine = , Parameters = 56	get_apid	04-001/22:10:08.4
10248	M1O	04-001/22:19:28.1		CALL, Engine = , Parameters = 56	get_rcv_mode	04-001/22:10:09.5
10249	M1O	04-001/22:19:28.3		CALL, Engine = , Parameters = 56	get_dl_rate	04-001/22:10:09.7
10250	M1O	04-001/22:19:29.4		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-001/22:10:10.8
10251	M1O	04-001/22:19:30.6		CALL, Engine = , Parameters = 56	get_coding	04-001/22:10:12.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10252	M1O	04-001/22:19:31.8		CALL, Engine = , Parameters = 56	get_xmt_mode	04-001/22:10:13.2
10253	M1O	04-001/22:19:33.0		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-001/22:10:14.4
10254	M1O	04-001/22:20:03.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
10255	M1O	04-001/22:20:37.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-001/22:11:19.2
10256	M1O	04-001/22:20:38.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-001/22:11:20.2
10257	M1O	04-001/22:20:39.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-001/22:11:21.2
10258	M1O	04-001/22:20:40.8		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-001/22:11:22.2
10259	M1O	04-001/22:20:41.8		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-001/22:11:23.2
10260	M1O	04-001/22:20:42.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-001/22:11:24.2
10261	M1O	04-001/22:20:43.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/22:11:25.2
10262	M1O	04-001/22:21:33.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-001/22:12:15.2
10263	M1O	04-001/22:21:43.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-001/22:12:25.2
10264	M1O	04-001/22:23:44.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/22:14:26.2
10265	M1O	04-001/22:23:45.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/22:14:27.2
10266	M1O	04-001/22:25:44.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/22:16:26.2
10267	M1O	04-001/22:25:45.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/22:16:27.2
10268	M1O	04-001/22:27:44.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/22:18:26.2
10269	M1O	04-001/22:27:45.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/22:18:27.2
10270	M1O	04-001/22:29:44.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/22:20:26.2
10271	M1O	04-001/22:29:45.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/22:20:27.2
10272	M1O	04-001/22:30:03.0	54	Range Modulation Off		
10273	M1O	04-001/22:31:44.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/22:22:26.2
10274	M1O	04-001/22:31:45.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/22:22:27.2
10275	M1O	04-001/22:32:01.4		NOTE: Enter Solar Eclipse 9091		04-001/22:22:42.8
10276	M1O	04-001/22:32:59.9		NOTE: Ascending Node Crossing 9091		04-001/22:23:41.3
10277	M1O	04-001/22:33:44.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/22:24:26.2
10278	M1O	04-001/22:33:45.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/22:24:27.2
10279	M1O	04-001/22:35:03.0	54	X-Band Transmitter Off		
10280	M1O	04-001/22:35:44.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/22:26:26.2
10281	M1O	04-001/22:35:45.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/22:26:27.2
10282	M1O	04-001/22:37:44.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/22:28:26.2
10283	M1O	04-001/22:37:45.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/22:28:27.2
10284	M1O	04-001/22:39:44.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/22:30:26.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10285	M1O	04-001/22:39:45.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/22:30:27.2
10286	M1O	04-001/22:41:44.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/22:32:26.2
10287	M1O	04-001/22:41:45.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/22:32:27.2
10288	M1O	04-001/22:43:44.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/22:34:26.2
10289	M1O	04-001/22:43:45.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/22:34:27.2
10290	M1O	04-001/22:45:44.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/22:36:26.2
10291	M1O	04-001/22:45:45.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/22:36:27.2
10292	M1O	04-001/22:47:44.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/22:38:26.2
10293	M1O	04-001/22:47:45.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/22:38:27.2
10294	M1O	04-001/22:49:44.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/22:40:26.2
10295	M1O	04-001/22:49:45.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/22:40:27.2
10296	M1O	04-001/22:51:44.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/22:42:26.2
10297	M1O	04-001/22:51:45.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/22:42:27.2
10298	M1O	04-001/22:52:37.4		SPAWN, Engine = 65535, Parameters = 3, 00:33:15.679, 1	dpt	04-001/22:43:18.7
10299	M1O	04-001/22:52:39.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-001/22:43:20.8
10300	M1O	04-001/22:52:40.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-001/22:43:21.8
10301	M1O	04-001/22:52:41.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/22:43:23.2
10302	M1O	04-001/22:52:43.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-001/22:43:24.3
10303	M1O	04-001/22:52:53.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-001/22:43:34.3
10304	M1O	04-001/22:52:54.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-001/22:43:35.3
10305	M1O	04-001/22:52:55.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-001/22:43:36.3
10306	M1O	04-001/22:52:55.0	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10307	M1O	04-001/22:52:56.0		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-001/22:43:37.3
10308	M1O	04-001/22:53:22.5		NOTE: Exit Solar Eclipse 9091		04-001/22:44:03.8
10309	M1O	04-001/22:53:40.3	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10310	M1O	04-001/22:53:40.7		NOTE: ENTER HGA KEEP OUT ZONE		
10311	M1O	04-001/22:53:40.7	54	NOTE: Loss Of X-Band Signal		
10312	M1O	04-001/22:55:00.0	25	Begin Tracking		
10313	M1O	04-001/23:00:43.3		NOTE: Enter Planetary Atmosphere 9091		04-001/22:51:24.6
10314	M1O	04-001/23:02:16.7		NOTE: Enter Earth Occultation 9091		04-001/22:52:57.9
10315	M1O	04-001/23:02:54.4		NOTE: North Pole Crossing 9091		04-001/22:53:35.7
10316	M1O	04-001/23:05:15.8		NOTE: Apoapsis 9091 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10321	M1O	04-001/23:20:55.2	54	Acquisition Of X-Band Signal		
10322	M1O	04-001/23:20:55.2	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10323	M1O	04-001/23:22:29.5		NOTE: Exit Planetary Atmosphere 9091		04-001/23:13:10.7
10324	M1O	04-001/23:25:55.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-001/23:16:36.5
10325	M1O	04-001/23:25:55.3	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10326	M1O	04-001/23:25:55.3	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10327	M1O	04-001/23:25:56.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-001/23:16:37.5
10328	M1O	04-001/23:28:45.0	54	NOTE: Below Uplink Interlock Limit		
10329	M1O	04-001/23:30:00.0	54	End Tracking		
10330	M1O	04-001/23:32:53.0		NOTE: Descending Node Crossing 9092		04-001/23:23:34.2
10331	M1O	04-001/23:45:00.0	54	End Post-Cal		
10332	M1O	04-002/00:00:00.0		Light Time: OWLT = 09:18, RTLT = 18:37		
10333	M1O	04-002/00:02:13.6		NOTE: South Pole Crossing 9092		04-001/23:52:54.6
10334	M1O	04-002/00:03:43.5		NOTE: Periapsis 9092 ----------		04-001/23:54:24.6
10335	M1O	04-002/00:15:00.0	24	Begin Pre-Cal		
10336	M1O	04-002/00:15:00.0	24	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
10337	M1O	04-002/00:15:00.0	24	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
10338	M1O	04-002/00:15:00.0	24	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
10339	M1O	04-002/00:15:00.0	24	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
10340	M1O	04-002/00:15:00.0	24	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
10341	M1O	04-002/00:15:00.0	24	Config: RCV: Parms:		
10342	M1O	04-002/00:15:00.0	24	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
10343	M1O	04-002/00:15:00.0	24	Config: TGC: BAND=X, SR=79632.000000		
10344	M1O	04-002/00:15:00.0	24	Config: TXL		
10345	M1O	04-002/00:15:00.0	24	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
10346	M1O	04-002/00:15:00.0	24	Config: CMD		
10347	M1O	04-002/00:15:00.0	24	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
10348	M1O	04-002/00:30:31.7		NOTE: Enter Solar Eclipse 9092		04-002/00:21:12.6
10349	M1O	04-002/00:31:30.3		NOTE: Ascending Node Crossing 9092		04-002/00:22:11.3
10350	M1O	04-002/00:50:51.0		SPAWN, Engine = 65535, Parameters = 3, 00:33:31.651, 1	dpt	04-002/00:41:32.0
10351	M1O	04-002/00:50:53.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-002/00:41:34.1
10352	M1O	04-002/00:50:53.1	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10353	M1O	04-002/00:50:54.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-002/00:41:35.1
10354	M1O	04-002/00:51:50.9		NOTE: Exit Solar Eclipse 9092		04-002/00:42:31.8
10355	M1O	04-002/00:51:53.0		NOTE: ENTER HGA KEEP OUT ZONE		
10356	M1O	04-002/00:51:53.0	25	NOTE: Loss Of X-Band Signal		
10357	M1O	04-002/00:59:16.5		NOTE: Enter Planetary Atmosphere 9092		04-002/00:49:57.4
10358	M1O	04-002/01:00:50.1		NOTE: Enter Earth Occultation 9092		04-002/00:51:31.0
10359	M1O	04-002/01:01:25.6		NOTE: North Pole Crossing 9092		04-002/00:52:06.5
10360	M1O	04-002/01:03:33.4		NOTE: Apoapsis 9092 -		04-002/00:54:14.3
10361	M1O	04-002/01:11:53.1		NOTE: EXIT HGA KEEP OUT ZONE		
10362	M1O	04-002/01:19:24.8		NOTE: Exit Earth Occultation 9092		04-002/01:10:05.6
10363	M1O	04-002/01:19:24.8	25	Acquisition Of X-Band Signal		
10364	M1O	04-002/01:19:24.8	25	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10365	M1O	04-002/01:20:59.5		NOTE: Exit Planetary Atmosphere 9092		04-002/01:11:40.3
10366	M1O	04-002/01:24:24.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-002/01:15:05.7
10367	M1O	04-002/01:24:24.9	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10368	M1O	04-002/01:24:25.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-002/01:15:06.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10369	M1O	04-002/01:31:24.8		NOTE: Descending Node Crossing 9093		04-002/01:22:05.5
10370	M1O	04-002/01:44:25.2		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-002/01:35:06.0
10371	M1O	04-002/01:44:25.3		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-002/01:35:06.1
10372	M1O	04-002/01:44:26.3		Forces a desaturation of the reaction wheels.	RW_DESAT	04-002/01:35:07.1
10373	M1O	04-002/01:45:00.0	24	Begin Tracking		
10374	M1O	04-002/01:45:00.0	24	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10375	M1O	04-002/01:47:48.2		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-002/01:38:29.0
10376	M1O	04-002/01:48:04.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-365T01:38:29.100, 2004-002T01:38:29.100	PCKTS_RE_TX_TIME	04-002/01:38:44.8
10377	M1O	04-002/01:48:05.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-365T01:38:29.100, 2004-002T01:38:29.100	PCKTS_RE_TX_TIME	04-002/01:38:45.8
10378	M1O	04-002/01:48:06.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-365T01:38:29.100, 2004-002T01:38:29.100	PCKTS_RE_TX_TIME	04-002/01:38:46.8
10379	M1O	04-002/01:48:07.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-365T01:38:29.100, 2004-002T01:38:29.100	PCKTS_RE_TX_TIME	04-002/01:38:47.8
10380	M1O	04-002/01:48:08.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-365T01:38:29.100, 2004-002T01:38:29.100	PCKTS_RE_TX_TIME	04-002/01:38:48.8
10381	M1O	04-002/01:48:09.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-365T01:38:29.100, 2004-002T01:38:29.100	PCKTS_RE_TX_TIME	04-002/01:38:49.8
10382	M1O	04-002/01:48:09.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-002/01:38:49.8
10383	M1O	04-002/01:48:09.0	24	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10384	M1O	04-002/01:48:09.0	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10385	M1O	04-002/01:55:10.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-002/01:45:50.8
10386	M1O	04-002/01:55:10.0	24	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10387	M1O	04-002/01:55:10.0	25	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10388	M1O	04-002/01:55:11.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-002/01:45:51.8
10389	M1O	04-002/01:55:27.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-002/01:46:07.8
10390	M1O	04-002/01:55:27.0	24	D/L RF Warning: SC antenna change - expect signal level variation		
10391	M1O	04-002/01:55:27.0	25	D/L RF Warning: SC antenna change - expect signal level variation		
10392	M1O	04-002/01:55:28.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-002/01:46:08.8
10393	M1O	04-002/01:55:56.3		CALL, Engine = , Parameters = FALSE	park_hga	04-002/01:46:37.1
10394	M1O	04-002/01:55:56.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-002/01:46:37.1
10395	M1O	04-002/01:55:57.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-002/01:46:38.1
10396	M1O	04-002/01:55:58.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-002/01:46:39.1
10397	M1O	04-002/01:55:58.3		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-002/01:46:39.1
10398	M1O	04-002/01:55:58.3		NOTE: START HGA PARK		
10399	M1O	04-002/01:55:58.3	24	NOTE: Loss Of X-Band Signal		
10400	M1O	04-002/01:55:58.3	25	NOTE: Loss Of X-Band Signal		
10401	M1O	04-002/01:55:59.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-002/01:46:40.1
10402	M1O	04-002/01:56:00.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-002/01:46:41.1
10403	M1O	04-002/02:00:30.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-002/01:51:11.1
10404	M1O	04-002/02:00:45.2		NOTE: South Pole Crossing 9093		04-002/01:51:25.9
10405	M1O	04-002/02:01:53.7		NOTE: Periapsis 9093 ----------		04-002/01:52:34.4
10406	M1O	04-002/02:04:00.4		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-002/01:54:41.1
10407	M1O	04-002/02:04:00.4		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-002/01:54:41.1
10408	M1O	04-002/02:29:05.9		NOTE: Enter Solar Eclipse 9093		04-002/02:19:46.5
10409	M1O	04-002/02:30:02.6		NOTE: Ascending Node Crossing 9093		04-002/02:20:43.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10410	M1O	04-002/02:34:00.4		GV: GV_DESAT_ACTIVE = 1		04-002/02:24:41.0
10411	M1O	04-002/02:34:01.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-002/02:24:42.0
10412	M1O	04-002/02:34:01.4		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-002/02:24:42.0
10413	M1O	04-002/02:44:00.4		GV: GV_DESAT_ACTIVE = 0		04-002/02:34:41.0
10414	M1O	04-002/02:44:01.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-002/02:34:42.0
10415	M1O	04-002/02:44:02.4		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-002/02:34:43.0
10416	M1O	04-002/02:44:03.4		CALL, Engine = , Parameters =	unpark_hga	04-002/02:34:44.0
10417	M1O	04-002/02:44:03.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-002/02:34:44.0
10418	M1O	04-002/02:44:04.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-002/02:34:45.0
10419	M1O	04-002/02:48:34.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-002/02:39:15.0
10420	M1O	04-002/02:48:35.4		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-002/02:39:16.0
10421	M1O	04-002/02:50:18.4		NOTE: Exit Solar Eclipse 9093		04-002/02:40:59.0
10422	M1O	04-002/02:50:24.4		NOTE: ENTER HGA KEEP OUT ZONE		
10423	M1O	04-002/02:52:35.4		NOTE: EXIT HGA PARK		
10424	M1O	04-002/02:57:55.3		NOTE: Enter Planetary Atmosphere 9093		04-002/02:48:35.8
10425	M1O	04-002/02:59:29.7		NOTE: Enter Earth Occultation 9093		04-002/02:50:10.2
10426	M1O	04-002/02:59:47.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10427	M1O	04-002/02:59:58.9		NOTE: North Pole Crossing 9093		04-002/02:50:39.4
10428	M1O	04-002/03:01:48.2		NOTE: Apoapsis 9093 -		04-002/02:52:28.7
10429	M1O	04-002/03:04:47.0	24	Range Modulation On: SUP=3.0dB		
10430	M1O	04-002/03:05:47.0	24	Begin Ranging Acquisition		
10431	M1O	04-002/03:10:24.5		NOTE: EXIT HGA KEEP OUT ZONE		
10432	M1O	04-002/03:17:29.1		SPAWN, Engine = 65535, Parameters = 00:05:31.215	cstr	04-002/03:08:09.6
10433	M1O	04-002/03:17:29.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-002/03:08:09.7
10434	M1O	04-002/03:17:30.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-002/03:08:10.7
10435	M1O	04-002/03:17:31.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-002/03:08:11.7
10436	M1O	04-002/03:17:32.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-002/03:08:12.7
10437	M1O	04-002/03:17:33.2		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-002/03:08:13.7
10438	M1O	04-002/03:17:43.2		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-002/03:08:23.7
10439	M1O	04-002/03:17:53.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-002/03:08:33.7
10440	M1O	04-002/03:17:54.1		NOTE: Exit Earth Occultation 9093		04-002/03:08:34.6
10441	M1O	04-002/03:17:54.1	24	Acquisition Of X-Band Signal		
10442	M1O	04-002/03:17:54.1	24	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10443	M1O	04-002/03:17:54.1	25	Acquisition Of X-Band Signal		
10444	M1O	04-002/03:17:54.1	25	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10445	M1O	04-002/03:18:25.9	24	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10446	M1O	04-002/03:18:25.9	25	Acquire D/L: X/08, 3-Way/24, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10447	M1O	04-002/03:19:29.6		NOTE: Exit Planetary Atmosphere 9093		04-002/03:10:10.1
10448	M1O	04-002/03:20:00.0	25	End Tracking		
10449	M1O	04-002/03:23:24.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-002/03:14:04.9
10450	M1O	04-002/03:23:25.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-002/03:14:05.9
10451	M1O	04-002/03:23:25.5	24	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10452	M1O	04-002/03:23:26.5		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-002/03:14:06.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10453	M1O	04-002/03:29:58.8		NOTE: Descending Node Crossing 9094		04-002/03:20:39.2
10454	M1O	04-002/03:35:00.0	25	End Post-Cal		
10455	M1O	04-002/03:59:20.6		NOTE: South Pole Crossing 9094		04-002/03:50:00.9
10456	M1O	04-002/04:00:38.5		NOTE: Periapsis 9094 ----------		04-002/03:51:18.8
10457	M1O	04-002/04:15:39.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
10458	M1O	04-002/04:25:39.0	24	Range Modulation Off		
10459	M1O	04-002/04:27:42.9		NOTE: Enter Solar Eclipse 9094		04-002/04:18:23.2
10460	M1O	04-002/04:28:39.0		NOTE: Ascending Node Crossing 9094		04-002/04:19:19.3
10461	M1O	04-002/04:30:39.0	24	X-Band Transmitter Off		
10462	M1O	04-002/04:48:15.6		SPAWN, Engine = 65535, Parameters = 3, 00:33:41, 1	dpt	04-002/04:38:55.8
10463	M1O	04-002/04:48:17.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-002/04:38:57.9
10464	M1O	04-002/04:48:17.7	24	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10465	M1O	04-002/04:48:18.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-002/04:38:58.9
10466	M1O	04-002/04:48:52.3		NOTE: Exit Solar Eclipse 9094		04-002/04:39:32.5
10467	M1O	04-002/04:49:18.5	24	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10468	M1O	04-002/04:49:18.8		NOTE: ENTER HGA KEEP OUT ZONE		
10469	M1O	04-002/04:49:18.8	24	NOTE: Loss Of X-Band Signal		
10470	M1O	04-002/04:56:33.5		NOTE: Enter Planetary Atmosphere 9094		04-002/04:47:13.6
10471	M1O	04-002/04:58:08.4		NOTE: Enter Earth Occultation 9094		04-002/04:48:48.5
10472	M1O	04-002/04:58:20.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10473	M1O	04-002/04:58:35.0		NOTE: North Pole Crossing 9094		04-002/04:49:15.1
10474	M1O	04-002/05:00:45.0		NOTE: Apoapsis 9094 -		04-002/04:51:25.2
10475	M1O	04-002/05:03:20.0	24	Range Modulation On: SUP=3.0dB		
10476	M1O	04-002/05:04:20.0	24	Begin Ranging Acquisition		
10477	M1O	04-002/05:08:38.8		NOTE: EXIT HGA KEEP OUT ZONE		
10478	M1O	04-002/05:16:27.0		NOTE: Exit Earth Occultation 9094		04-002/05:07:07.1
10479	M1O	04-002/05:16:27.0	24	Acquisition Of X-Band Signal		
10480	M1O	04-002/05:16:27.0	24	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10481	M1O	04-002/05:16:59.7	24	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10482	M1O	04-002/05:18:02.9		NOTE: Exit Planetary Atmosphere 9094		04-002/05:08:43.0
10483	M1O	04-002/05:21:58.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-002/05:12:38.9
10484	M1O	04-002/05:21:58.8	24	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10485	M1O	04-002/05:21:59.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-002/05:12:39.9
10486	M1O	04-002/05:28:34.9		NOTE: Descending Node Crossing 9095		04-002/05:19:15.0
10487	M1O	04-002/05:57:57.7		NOTE: South Pole Crossing 9095		04-002/05:48:37.6
10488	M1O	04-002/05:59:43.1		NOTE: Periapsis 9095 ----------		04-002/05:50:23.1
10489	M1O	04-002/06:06:18.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
10490	M1O	04-002/06:16:18.0	24	Range Modulation Off		
10491	M1O	04-002/06:21:18.0	24	X-Band Transmitter Off		
10492	M1O	04-002/06:21:19.7	24	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
10493	M1O	04-002/06:26:18.7		NOTE: Enter Solar Eclipse 9095		04-002/06:16:58.5
10494	M1O	04-002/06:27:16.2		NOTE: Ascending Node Crossing 9095		04-002/06:17:56.0
10495	M1O	04-002/06:31:48.1		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-002/06:22:28.0
10496	M1O	04-002/06:32:03.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-365T06:22:28.100, 2004-002T06:22:28.100	PCKTS_RE_TX_TIME	04-002/06:22:43.8
10497	M1O	04-002/06:32:04.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-365T06:22:28.100, 2004-002T06:22:28.100	PCKTS_RE_TX_TIME	04-002/06:22:44.8
10498	M1O	04-002/06:32:05.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-365T06:22:28.100, 2004-002T06:22:28.100	PCKTS_RE_TX_TIME	04-002/06:22:45.8
10499	M1O	04-002/06:32:06.9		Queues in the retransmit buffer, by time range, designated packet from the specified	PCKTS_RE_TX_TIME	04-002/06:22:46.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 4, 2003-365T06:22:28.100, 2004-002T06:22:28.100		
10500	M1O	04-002/06:32:07.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-365T06:22:28.100, 2004-002T06:22:28.100	PCKTS_RE_TX_TIME	04-002/06:22:47.8
10501	M1O	04-002/06:32:08.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-365T06:22:28.100, 2004-002T06:22:28.100	PCKTS_RE_TX_TIME	04-002/06:22:48.8
10502	M1O	04-002/06:32:08.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-002/06:22:48.8
10503	M1O	04-002/06:32:08.9	24	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10504	M1O	04-002/06:39:09.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-002/06:29:49.8
10505	M1O	04-002/06:39:09.9	24	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10506	M1O	04-002/06:39:10.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-002/06:29:50.8
10507	M1O	04-002/06:39:26.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-002/06:30:06.8
10508	M1O	04-002/06:39:26.9	24	D/L RF Warning: SC antenna change - expect signal level variation		
10509	M1O	04-002/06:39:27.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-002/06:30:07.8
10510	M1O	04-002/06:39:58.2	24	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10511	M1O	04-002/06:40:00.0	24	End Tracking		
10512	M1O	04-002/06:47:29.1		NOTE: Exit Solar Eclipse 9095		04-002/06:38:08.9
10513	M1O	04-002/06:47:55.1		NOTE: ENTER HGA KEEP OUT ZONE		
10514	M1O	04-002/06:55:00.0	24	End Post-Cal		
10515	M1O	04-002/06:55:09.9		NOTE: Enter Planetary Atmosphere 9095		04-002/06:45:49.7
10516	M1O	04-002/06:56:44.9		NOTE: Enter Earth Occultation 9095		04-002/06:47:24.7
10517	M1O	04-002/06:57:11.7		NOTE: North Pole Crossing 9095		04-002/06:47:51.4
10518	M1O	04-002/06:59:54.6		NOTE: Apoapsis 9095 -		04-002/06:50:34.4
10519	M1O	04-002/07:07:15.2		NOTE: EXIT HGA KEEP OUT ZONE		
10520	M1O	04-002/07:09:20.2		SPAWN, Engine = 65535, Parameters =	scdiag	04-002/07:00:00.0
10521	M1O	04-002/07:09:21.3		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-002/07:00:01.1
10522	M1O	04-002/07:09:22.3		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-002/07:00:02.1
10523	M1O	04-002/07:10:23.2		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-002/07:01:03.0
10524	M1O	04-002/07:10:23.4		NOTE: Start Block fsw_diag		04-002/07:01:03.2
10525	M1O	04-002/07:10:24.4		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-002/07:01:04.2
10526	M1O	04-002/07:10:25.4		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	04-002/07:01:05.2
10527	M1O	04-002/07:10:36.4		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	04-002/07:01:16.2
10528	M1O	04-002/07:11:06.4		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-002/07:01:46.2
10529	M1O	04-002/07:11:26.4		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-002/07:02:06.2
10530	M1O	04-002/07:11:36.4		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-002/07:02:16.2
10531	M1O	04-002/07:11:56.4		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-002/07:02:36.2
10532	M1O	04-002/07:12:06.4		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-002/07:02:46.2
10533	M1O	04-002/07:12:11.4		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-002/07:02:51.2
10534	M1O	04-002/07:12:16.4		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-002/07:02:56.2
10535	M1O	04-002/07:12:21.4		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-002/07:03:01.2
10536	M1O	04-002/07:12:26.4		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-002/07:03:06.2
10537	M1O	04-002/07:12:31.4		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-002/07:03:11.2
10538	M1O	04-002/07:13:11.4		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-002/07:03:51.2
10539	M1O	04-002/07:13:16.4		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-002/07:03:56.2
10540	M1O	04-002/07:13:21.4		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-002/07:04:01.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10541	M1O	04-002/07:13:26.4		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-002/07:04:06.2
10542	M1O	04-002/07:13:31.4		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-002/07:04:11.2
10543	M1O	04-002/07:13:32.4		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-002/07:04:12.2
10544	M1O	04-002/07:13:33.4		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-002/07:04:13.2
10545	M1O	04-002/07:13:34.4		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-002/07:04:14.2
10546	M1O	04-002/07:13:45.4		NOTE: End Block fsw_diag.mod		04-002/07:04:25.2
10547	M1O	04-002/07:15:02.1		NOTE: Exit Earth Occultation 9095		04-002/07:05:41.8
10548	M1O	04-002/07:16:38.0		NOTE: Exit Planetary Atmosphere 9095		04-002/07:07:17.7
10549	M1O	04-002/07:27:11.8		NOTE: Descending Node Crossing 9096		04-002/07:17:51.5
10550	M1O	04-002/07:55:00.0	34	Begin Pre-Cal		
10551	M1O	04-002/07:55:00.0	34	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
10552	M1O	04-002/07:55:00.0	34	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
10553	M1O	04-002/07:55:00.0	34	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
10554	M1O	04-002/07:55:00.0	34	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
10555	M1O	04-002/07:55:00.0	34	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
10556	M1O	04-002/07:55:00.0	34	Config: RCV: Parms:		
10557	M1O	04-002/07:55:00.0	34	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
10558	M1O	04-002/07:55:00.0	34	Config: TGC: BAND=X, SR=79632.000000		
10559	M1O	04-002/07:55:00.0	34	Config: TXL		
10560	M1O	04-002/07:55:00.0	34	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
10561	M1O	04-002/07:55:00.0	34	Config: CMD		
10562	M1O	04-002/07:56:34.2		NOTE: South Pole Crossing 9096		04-002/07:47:13.8
10563	M1O	04-002/07:58:35.9		NOTE: Periapsis 9096 ----------		04-002/07:49:15.5
10564	M1O	04-002/08:24:52.2		NOTE: Enter Solar Eclipse 9096		04-002/08:15:31.7
10565	M1O	04-002/08:25:51.8		NOTE: Ascending Node Crossing 9096		04-002/08:16:31.3
10566	M1O	04-002/08:39:35.4		SPAWN, Engine = 65535, Parameters = 00:39:10.025	cstr	04-002/08:30:14.9
10567	M1O	04-002/08:39:35.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-002/08:30:15.0
10568	M1O	04-002/08:39:36.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-002/08:30:16.0
10569	M1O	04-002/08:39:37.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-002/08:30:17.0
10570	M1O	04-002/08:39:38.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-002/08:30:18.0
10571	M1O	04-002/08:39:39.5		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-002/08:30:19.0
10572	M1O	04-002/08:39:49.5		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-002/08:30:29.0
10573	M1O	04-002/08:39:59.5		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-002/08:30:39.0
10574	M1O	04-002/08:40:00.0	34	Begin Tracking		
10575	M1O	04-002/08:40:00.0	34	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10576	M1O	04-002/08:46:05.8		NOTE: Exit Solar Eclipse 9096		04-002/08:36:45.3
10577	M1O	04-002/08:46:31.5		NOTE: ENTER HGA KEEP OUT ZONE		
10578	M1O	04-002/08:46:31.5	34	NOTE: Loss Of X-Band Signal		
10579	M1O	04-002/08:53:43.4		NOTE: Enter Planetary Atmosphere 9096		04-002/08:44:22.8
10580	M1O	04-002/08:55:18.2		NOTE: Enter Earth Occultation 9096		04-002/08:45:57.6
10581	M1O	04-002/08:55:30.0	34	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10582	M1O	04-002/08:55:47.3		NOTE: North Pole Crossing 9096		04-002/08:46:26.7
10583	M1O	04-002/08:58:34.4		NOTE: Apoapsis 9096 -		04-002/08:49:13.8
10584	M1O	04-002/09:05:51.6		NOTE: EXIT HGA KEEP OUT ZONE		
10585	M1O	04-002/09:13:38.8		NOTE: Exit Earth Occultation 9096		04-002/09:04:18.2
10586	M1O	04-002/09:13:38.8	34	Acquisition Of X-Band Signal		
10587	M1O	04-002/09:13:38.8	34	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10588	M1O	04-002/09:14:11.1	34	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10589	M1O	04-002/09:14:44.6		SPAWN, Engine = 65535, Parameters = 002, 01, TRUE, 00:11:23.358, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-002/09:05:24.0
10590	M1O	04-002/09:14:45.7		Passes the specified amount of data, data size parameter, through the PACI interface.:	GRS_PASS_THROUGH	04-002/09:05:25.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000		
10591	M1O	04-002/09:14:47.7		CALL, Engine = , Parameters = 56	get_cmd_opt	04-002/09:05:27.1
10592	M1O	04-002/09:14:48.0		CALL, Engine = , Parameters = 002, 01, 056	bld_autosw	04-002/09:05:27.4
10593	M1O	04-002/09:14:49.1		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-002/09:05:28.5
10594	M1O	04-002/09:14:50.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/09:05:29.6
10595	M1O	04-002/09:14:51.2		Deletes the designated file.: d:/dat/056_doy002_pass01_file01.dat	FILE_DELETE	04-002/09:05:30.6
10596	M1O	04-002/09:14:52.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/09:05:31.7
10597	M1O	04-002/09:14:53.3		Deletes the designated file.: d:/dat/056_doy002_pass01_file02.dat	FILE_DELETE	04-002/09:05:32.7
10598	M1O	04-002/09:14:54.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/09:05:33.8
10599	M1O	04-002/09:14:55.4		Deletes the designated file.: d:/dat/056_doy002_pass01_file03.dat	FILE_DELETE	04-002/09:05:34.8
10600	M1O	04-002/09:14:56.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/09:05:35.9
10601	M1O	04-002/09:14:57.5		Deletes the designated file.: d:/dat/056_doy002_pass01_file04.dat	FILE_DELETE	04-002/09:05:36.9
10602	M1O	04-002/09:14:58.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/09:05:38.0
10603	M1O	04-002/09:14:59.6		Deletes the designated file.: d:/dat/056_doy002_pass01_file05.dat	FILE_DELETE	04-002/09:05:39.0
10604	M1O	04-002/09:15:00.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/09:05:40.1
10605	M1O	04-002/09:15:01.7		Deletes the designated file.: d:/dat/056_doy002_pass01_file06.dat	FILE_DELETE	04-002/09:05:41.1
10606	M1O	04-002/09:15:02.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/09:05:42.2
10607	M1O	04-002/09:15:03.8		Deletes the designated file.: d:/dat/056_doy002_pass01_file07.dat	FILE_DELETE	04-002/09:05:43.2
10608	M1O	04-002/09:15:04.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/09:05:44.3
10609	M1O	04-002/09:15:05.9		Deletes the designated file.: d:/dat/056_doy002_pass01_file08.dat	FILE_DELETE	04-002/09:05:45.3
10610	M1O	04-002/09:15:07.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/09:05:46.4
10611	M1O	04-002/09:15:08.0		Deletes the designated file.: d:/dat/056_doy002_pass01_file09.dat	FILE_DELETE	04-002/09:05:47.4
10612	M1O	04-002/09:15:09.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/09:05:48.5
10613	M1O	04-002/09:15:10.1		Deletes the designated file.: d:/dat/056_doy002_pass01_file10.dat	FILE_DELETE	04-002/09:05:49.5
10614	M1O	04-002/09:15:11.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/09:05:50.6
10615	M1O	04-002/09:15:12.2		Deletes the designated file.: d:/dat/056_doy002_pass01_file11.dat	FILE_DELETE	04-002/09:05:51.6
10616	M1O	04-002/09:15:13.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/09:05:52.7
10617	M1O	04-002/09:15:14.3		Deletes the designated file.: d:/dat/056_doy002_pass01_file12.dat	FILE_DELETE	04-002/09:05:53.7
10618	M1O	04-002/09:15:14.6		NOTE: Exit Planetary Atmosphere 9096		04-002/09:05:53.9
10619	M1O	04-002/09:15:15.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/09:05:54.8
10620	M1O	04-002/09:15:16.4		Deletes the designated file.: d:/dat/056_doy002_pass01_file13.dat	FILE_DELETE	04-002/09:05:55.8
10621	M1O	04-002/09:15:17.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/09:05:56.9
10622	M1O	04-002/09:15:18.5		Deletes the designated file.: d:/dat/056_doy002_pass01_file14.dat	FILE_DELETE	04-002/09:05:57.9
10623	M1O	04-002/09:15:19.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/09:05:59.0
10624	M1O	04-002/09:15:20.6		Deletes the designated file.: d:/dat/056_doy002_pass01_file15.dat	FILE_DELETE	04-002/09:06:00.0
10625	M1O	04-002/09:15:21.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/09:06:01.1
10626	M1O	04-002/09:15:22.7		Deletes the designated file.: d:/dat/056_doy002_pass01_file16.dat	FILE_DELETE	04-002/09:06:02.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10627	M1O	04-002/09:15:23.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/09:06:03.2
10628	M1O	04-002/09:15:24.8		Deletes the designated file.: d:/dat/056_doy002_pass01_file17.dat	FILE_DELETE	04-002/09:06:04.2
10629	M1O	04-002/09:15:25.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/09:06:05.3
10630	M1O	04-002/09:15:26.9		Deletes the designated file.: d:/dat/056_doy002_pass01_file18.dat	FILE_DELETE	04-002/09:06:06.3
10631	M1O	04-002/09:15:28.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/09:06:07.4
10632	M1O	04-002/09:15:29.0		Deletes the designated file.: d:/dat/056_doy002_pass01_file19.dat	FILE_DELETE	04-002/09:06:08.4
10633	M1O	04-002/09:15:30.0		CALL, Engine = , Parameters = 56	get_apid	04-002/09:06:09.4
10634	M1O	04-002/09:15:31.1		CALL, Engine = , Parameters = 56	get_rcv_mode	04-002/09:06:10.5
10635	M1O	04-002/09:15:31.3		CALL, Engine = , Parameters = 56	get_dl_rate	04-002/09:06:10.7
10636	M1O	04-002/09:15:32.4		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-002/09:06:11.8
10637	M1O	04-002/09:15:33.6		CALL, Engine = , Parameters = 56	get_coding	04-002/09:06:13.0
10638	M1O	04-002/09:15:34.8		CALL, Engine = , Parameters = 56	get_xmt_mode	04-002/09:06:14.2
10639	M1O	04-002/09:15:36.0		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-002/09:06:15.4
10640	M1O	04-002/09:16:40.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-002/09:07:20.2
10641	M1O	04-002/09:16:41.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-002/09:07:21.2
10642	M1O	04-002/09:16:42.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-002/09:07:22.2
10643	M1O	04-002/09:16:43.8		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-002/09:07:23.2
10644	M1O	04-002/09:16:44.8		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-002/09:07:24.2
10645	M1O	04-002/09:16:45.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-002/09:07:25.2
10646	M1O	04-002/09:16:46.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/09:07:26.2
10647	M1O	04-002/09:17:36.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-002/09:08:16.2
10648	M1O	04-002/09:17:46.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-002/09:08:26.2
10649	M1O	04-002/09:19:09.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-002/09:09:49.0
10650	M1O	04-002/09:19:10.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-002/09:09:50.0
10651	M1O	04-002/09:19:10.7	34	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10652	M1O	04-002/09:19:11.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-002/09:09:51.0
10653	M1O	04-002/09:19:11.6	34	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10654	M1O	04-002/09:19:11.7		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-002/09:09:51.0
10655	M1O	04-002/09:19:47.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/09:10:27.2
10656	M1O	04-002/09:19:48.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/09:10:28.2
10657	M1O	04-002/09:21:47.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/09:12:27.2
10658	M1O	04-002/09:21:48.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/09:12:28.2
10659	M1O	04-002/09:23:47.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/09:14:27.2
10660	M1O	04-002/09:23:48.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/09:14:28.2
10661	M1O	04-002/09:25:47.5		NOTE: Descending Node Crossing 9097		04-002/09:16:26.8
10662	M1O	04-002/09:25:47.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/09:16:27.2
10663	M1O	04-002/09:25:48.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	04-002/09:16:28.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				BYPASS_COD, PSK		
10664	M1O	04-002/09:27:47.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/09:18:27.2
10665	M1O	04-002/09:27:48.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/09:18:28.2
10666	M1O	04-002/09:28:08.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/09:18:47.5
10667	M1O	04-002/09:28:09.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-002/09:18:48.6
10668	M1O	04-002/09:28:19.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-002/09:18:58.6
10669	M1O	04-002/09:28:20.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-002/09:18:59.6
10670	M1O	04-002/09:28:21.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-002/09:19:00.6
10671	M1O	04-002/09:28:21.3	34	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10672	M1O	04-002/09:28:22.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-002/09:19:01.6
10673	M1O	04-002/09:33:21.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-002/09:24:00.3
10674	M1O	04-002/09:33:21.0	34	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10675	M1O	04-002/09:46:18.0	34	NOTE: X-Band Transmitter Off in 15 minutes		
10676	M1O	04-002/09:55:08.6		NOTE: South Pole Crossing 9097		04-002/09:45:47.8
10677	M1O	04-002/09:57:02.3		NOTE: Periapsis 9097 ----------		04-002/09:47:41.6
10678	M1O	04-002/10:01:18.0	34	X-Band Transmitter Off		
10679	M1O	04-002/10:01:18.3	34	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
10680	M1O	04-002/10:11:48.8		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-002/10:02:28.0
10681	M1O	04-002/10:12:04.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-365T10:02:28.100, 2004-002T10:02:28.100	PCKTS_RE_TX_TIME	04-002/10:02:43.8
10682	M1O	04-002/10:12:05.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-365T10:02:28.100, 2004-002T10:02:28.100	PCKTS_RE_TX_TIME	04-002/10:02:44.8
10683	M1O	04-002/10:12:06.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-365T10:02:28.100, 2004-002T10:02:28.100	PCKTS_RE_TX_TIME	04-002/10:02:45.8
10684	M1O	04-002/10:12:07.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-365T10:02:28.100, 2004-002T10:02:28.100	PCKTS_RE_TX_TIME	04-002/10:02:46.8
10685	M1O	04-002/10:12:08.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-365T10:02:28.100, 2004-002T10:02:28.100	PCKTS_RE_TX_TIME	04-002/10:02:47.8
10686	M1O	04-002/10:12:09.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2003-365T10:02:28.100, 2004-002T10:02:28.100	PCKTS_RE_TX_TIME	04-002/10:02:48.8
10687	M1O	04-002/10:12:09.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-002/10:02:48.8
10688	M1O	04-002/10:12:09.6	34	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10689	M1O	04-002/10:19:10.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-002/10:09:49.8
10690	M1O	04-002/10:19:10.6	34	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10691	M1O	04-002/10:19:11.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-002/10:09:50.8
10692	M1O	04-002/10:19:27.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-002/10:10:06.8
10693	M1O	04-002/10:19:27.6	34	D/L RF Warning: SC antenna change - expect signal level variation		
10694	M1O	04-002/10:19:28.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-002/10:10:07.8
10695	M1O	04-002/10:19:59.5	34	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10696	M1O	04-002/10:20:00.0	34	End Tracking		
10697	M1O	04-002/10:23:23.8		NOTE: Enter Solar Eclipse 9097		04-002/10:14:02.9
10698	M1O	04-002/10:24:25.0		NOTE: Ascending Node Crossing 9097		04-002/10:15:04.1
10699	M1O	04-002/10:35:00.0	34	End Post-Cal		
10700	M1O	04-002/10:44:41.0		NOTE: Exit Solar Eclipse 9097		04-002/10:35:20.1
10701	M1O	04-002/10:45:07.9		NOTE: ENTER HGA KEEP OUT ZONE		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10702	M1O	04-002/10:52:12.7		NOTE: Enter Planetary Atmosphere 9097		04-002/10:42:51.8
10703	M1O	04-002/10:53:47.0		NOTE: Enter Earth Occultation 9097		04-002/10:44:26.1
10704	M1O	04-002/10:54:20.2		NOTE: North Pole Crossing 9097		04-002/10:44:59.3
10705	M1O	04-002/10:56:48.7		NOTE: Apoapsis 9097 -		04-002/10:47:27.8
10706	M1O	04-002/11:02:12.9		SPAWN, Engine = 65535, Parameters = 002, 02, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-002/10:52:52.0
10707	M1O	04-002/11:02:14.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-002/10:52:53.1
10708	M1O	04-002/11:02:16.0		CALL, Engine = , Parameters = 56	get_cmd_opt	04-002/10:52:55.1
10709	M1O	04-002/11:02:16.3		CALL, Engine = , Parameters = 002, 02, 056	bld_autosw	04-002/10:52:55.4
10710	M1O	04-002/11:02:17.4		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-002/10:52:56.5
10711	M1O	04-002/11:02:18.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/10:52:57.6
10712	M1O	04-002/11:02:19.5		Deletes the designated file.: d:/dat/056_doy002_pass02_file01.dat	FILE_DELETE	04-002/10:52:58.6
10713	M1O	04-002/11:02:20.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/10:52:59.7
10714	M1O	04-002/11:02:21.6		Deletes the designated file.: d:/dat/056_doy002_pass02_file02.dat	FILE_DELETE	04-002/10:53:00.7
10715	M1O	04-002/11:02:22.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/10:53:01.8
10716	M1O	04-002/11:02:23.7		Deletes the designated file.: d:/dat/056_doy002_pass02_file03.dat	FILE_DELETE	04-002/10:53:02.8
10717	M1O	04-002/11:02:24.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/10:53:03.9
10718	M1O	04-002/11:02:25.8		Deletes the designated file.: d:/dat/056_doy002_pass02_file04.dat	FILE_DELETE	04-002/10:53:04.9
10719	M1O	04-002/11:02:26.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/10:53:06.0
10720	M1O	04-002/11:02:27.9		Deletes the designated file.: d:/dat/056_doy002_pass02_file05.dat	FILE_DELETE	04-002/10:53:07.0
10721	M1O	04-002/11:02:29.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/10:53:08.1
10722	M1O	04-002/11:02:30.0		Deletes the designated file.: d:/dat/056_doy002_pass02_file06.dat	FILE_DELETE	04-002/10:53:09.1
10723	M1O	04-002/11:02:31.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/10:53:10.2
10724	M1O	04-002/11:02:32.1		Deletes the designated file.: d:/dat/056_doy002_pass02_file07.dat	FILE_DELETE	04-002/10:53:11.2
10725	M1O	04-002/11:02:33.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/10:53:12.3
10726	M1O	04-002/11:02:34.2		Deletes the designated file.: d:/dat/056_doy002_pass02_file08.dat	FILE_DELETE	04-002/10:53:13.3
10727	M1O	04-002/11:02:35.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/10:53:14.4
10728	M1O	04-002/11:02:36.3		Deletes the designated file.: d:/dat/056_doy002_pass02_file09.dat	FILE_DELETE	04-002/10:53:15.4
10729	M1O	04-002/11:02:37.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/10:53:16.5
10730	M1O	04-002/11:02:38.4		Deletes the designated file.: d:/dat/056_doy002_pass02_file10.dat	FILE_DELETE	04-002/10:53:17.5
10731	M1O	04-002/11:02:39.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/10:53:18.6
10732	M1O	04-002/11:02:40.5		Deletes the designated file.: d:/dat/056_doy002_pass02_file11.dat	FILE_DELETE	04-002/10:53:19.6
10733	M1O	04-002/11:02:41.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/10:53:20.7
10734	M1O	04-002/11:02:42.6		Deletes the designated file.: d:/dat/056_doy002_pass02_file12.dat	FILE_DELETE	04-002/10:53:21.7
10735	M1O	04-002/11:02:43.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/10:53:22.8
10736	M1O	04-002/11:02:44.7		Deletes the designated file.: d:/dat/056_doy002_pass02_file13.dat	FILE_DELETE	04-002/10:53:23.8
10737	M1O	04-002/11:02:45.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/10:53:24.9
10738	M1O	04-002/11:02:46.8		Deletes the designated file.: d:/dat/056_doy002_pass02_file14.dat	FILE_DELETE	04-002/10:53:25.9

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10739	M1O	04-002/11:02:47.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/10:53:27.0
10740	M1O	04-002/11:02:48.9		Deletes the designated file.: d:/dat/056_doy002_pass02_file15.dat	FILE_DELETE	04-002/10:53:28.0
10741	M1O	04-002/11:02:50.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/10:53:29.1
10742	M1O	04-002/11:02:51.0		Deletes the designated file.: d:/dat/056_doy002_pass02_file16.dat	FILE_DELETE	04-002/10:53:30.1
10743	M1O	04-002/11:02:52.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/10:53:31.2
10744	M1O	04-002/11:02:53.1		Deletes the designated file.: d:/dat/056_doy002_pass02_file17.dat	FILE_DELETE	04-002/10:53:32.2
10745	M1O	04-002/11:02:54.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/10:53:33.3
10746	M1O	04-002/11:02:55.2		Deletes the designated file.: d:/dat/056_doy002_pass02_file18.dat	FILE_DELETE	04-002/10:53:34.3
10747	M1O	04-002/11:02:56.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/10:53:35.4
10748	M1O	04-002/11:02:57.3		Deletes the designated file.: d:/dat/056_doy002_pass02_file19.dat	FILE_DELETE	04-002/10:53:36.4
10749	M1O	04-002/11:02:58.3		CALL, Engine = , Parameters = 56	get_apid	04-002/10:53:37.4
10750	M1O	04-002/11:02:59.4		CALL, Engine = , Parameters = 56	get_rcv_mode	04-002/10:53:38.5
10751	M1O	04-002/11:02:59.6		CALL, Engine = , Parameters = 56	get_dl_rate	04-002/10:53:38.7
10752	M1O	04-002/11:03:00.7		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-002/10:53:39.8
10753	M1O	04-002/11:03:01.9		CALL, Engine = , Parameters = 56	get_coding	04-002/10:53:41.0
10754	M1O	04-002/11:03:03.1		CALL, Engine = , Parameters = 56	get_xmt_mode	04-002/10:53:42.2
10755	M1O	04-002/11:03:04.3		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-002/10:53:43.4
10756	M1O	04-002/11:04:09.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-002/10:54:48.2
10757	M1O	04-002/11:04:10.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-002/10:54:49.2
10758	M1O	04-002/11:04:11.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-002/10:54:50.2
10759	M1O	04-002/11:04:12.1		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-002/10:54:51.2
10760	M1O	04-002/11:04:13.1		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-002/10:54:52.2
10761	M1O	04-002/11:04:14.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-002/10:54:53.2
10762	M1O	04-002/11:04:15.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/10:54:54.2
10763	M1O	04-002/11:04:27.9		NOTE: EXIT HGA KEEP OUT ZONE		
10764	M1O	04-002/11:05:05.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-002/10:55:44.2
10765	M1O	04-002/11:05:15.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-002/10:55:54.2
10766	M1O	04-002/11:07:16.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/10:57:55.2
10767	M1O	04-002/11:07:17.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/10:57:56.2
10768	M1O	04-002/11:09:16.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/10:59:55.2
10769	M1O	04-002/11:09:17.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/10:59:56.2
10770	M1O	04-002/11:11:16.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/11:01:55.2
10771	M1O	04-002/11:11:17.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/11:01:56.2
10772	M1O	04-002/11:12:14.3		NOTE: Exit Earth Occultation 9097		04-002/11:02:53.3
10773	M1O	04-002/11:13:16.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/11:03:55.2
10774	M1O	04-002/11:13:17.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/11:03:56.2
10775	M1O	04-002/11:13:49.6		NOTE: Exit Planetary Atmosphere 9097		04-002/11:04:28.6

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10776	M1O	04-002/11:15:16.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/11:05:55.2
10777	M1O	04-002/11:15:17.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/11:05:56.2
10778	M1O	04-002/11:17:16.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/11:07:55.2
10779	M1O	04-002/11:17:17.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/11:07:56.2
10780	M1O	04-002/11:19:16.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/11:09:55.2
10781	M1O	04-002/11:19:17.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/11:09:56.2
10782	M1O	04-002/11:21:16.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/11:11:55.2
10783	M1O	04-002/11:21:17.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/11:11:56.2
10784	M1O	04-002/11:23:16.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/11:13:55.2
10785	M1O	04-002/11:23:17.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/11:13:56.2
10786	M1O	04-002/11:24:19.9		NOTE: Descending Node Crossing 9098		04-002/11:14:58.8
10787	M1O	04-002/11:25:16.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/11:15:55.2
10788	M1O	04-002/11:25:17.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/11:15:56.2
10789	M1O	04-002/11:27:16.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/11:17:55.2
10790	M1O	04-002/11:27:17.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/11:17:56.2
10791	M1O	04-002/11:29:16.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/11:19:55.2
10792	M1O	04-002/11:29:17.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/11:19:56.2
10793	M1O	04-002/11:31:16.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/11:21:55.2
10794	M1O	04-002/11:31:17.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/11:21:56.2
10795	M1O	04-002/11:33:16.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/11:23:55.2
10796	M1O	04-002/11:33:17.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/11:23:56.2
10797	M1O	04-002/11:35:16.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/11:25:55.2
10798	M1O	04-002/11:35:17.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/11:25:56.2
10799	M1O	04-002/11:36:13.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/11:26:52.2
10800	M1O	04-002/11:36:14.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-002/11:26:53.3
10801	M1O	04-002/11:36:24.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-002/11:27:03.3
10802	M1O	04-002/11:36:25.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-002/11:27:04.3
10803	M1O	04-002/11:36:26.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-002/11:27:05.3
10804	M1O	04-002/11:36:27.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-002/11:27:06.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10805	M1O	04-002/11:53:40.2		NOTE: South Pole Crossing 9098		04-002/11:44:19.1
10806	M1O	04-002/11:55:13.0		NOTE: Periapsis 9098 ----------		04-002/11:45:51.8
10807	M1O	04-002/12:21:55.9		NOTE: Enter Solar Eclipse 9098		04-002/12:12:34.7
10808	M1O	04-002/12:22:56.5		NOTE: Ascending Node Crossing 9098		04-002/12:13:35.3
10809	M1O	04-002/12:43:12.6		NOTE: Exit Solar Eclipse 9098		04-002/12:33:51.3
10810	M1O	04-002/12:43:20.2		NOTE: ENTER HGA KEEP OUT ZONE		
10811	M1O	04-002/12:50:42.6		NOTE: Enter Planetary Atmosphere 9098		04-002/12:41:21.3
10812	M1O	04-002/12:52:16.9		NOTE: Enter Earth Occultation 9098		04-002/12:42:55.6
10813	M1O	04-002/12:52:51.3		NOTE: North Pole Crossing 9098		04-002/12:43:30.0
10814	M1O	04-002/12:55:12.3		NOTE: Apoapsis 9098 -		04-002/12:45:51.0
10815	M1O	04-002/13:03:00.3		NOTE: EXIT HGA KEEP OUT ZONE		
10816	M1O	04-002/13:10:44.9		NOTE: Exit Earth Occultation 9098		04-002/13:01:23.5
10817	M1O	04-002/13:12:20.2		NOTE: Exit Planetary Atmosphere 9098		04-002/13:02:58.8
10818	M1O	04-002/13:22:50.2		NOTE: Descending Node Crossing 9099		04-002/13:13:28.8
10819	M1O	04-002/13:52:11.2		NOTE: South Pole Crossing 9099		04-002/13:42:49.7
10820	M1O	04-002/13:53:37.1		NOTE: Periapsis 9099 ----------		04-002/13:44:15.6
10821	M1O	04-002/14:20:29.2		NOTE: Enter Solar Eclipse 9099		04-002/14:11:07.6
10822	M1O	04-002/14:21:28.7		NOTE: Ascending Node Crossing 9099		04-002/14:12:07.1
10823	M1O	04-002/14:41:40.1		NOTE: Exit Solar Eclipse 9099		04-002/14:32:18.5
10824	M1O	04-002/14:42:10.6		NOTE: ENTER HGA KEEP OUT ZONE		
10825	M1O	04-002/14:49:21.5		NOTE: Enter Planetary Atmosphere 9099		04-002/14:39:59.8
10826	M1O	04-002/14:50:56.8		NOTE: Enter Earth Occultation 9099		04-002/14:41:35.1
10827	M1O	04-002/14:51:24.3		NOTE: North Pole Crossing 9099		04-002/14:42:02.6
10828	M1O	04-002/14:53:52.4		NOTE: Apoapsis 9099 -		04-002/14:44:30.7
10829	M1O	04-002/15:01:30.7		NOTE: EXIT HGA KEEP OUT ZONE		
10830	M1O	04-002/15:09:12.6		NOTE: Exit Earth Occultation 9099		04-002/14:59:50.8
10831	M1O	04-002/15:10:48.8		NOTE: Exit Planetary Atmosphere 9099		04-002/15:01:27.1
10832	M1O	04-002/15:15:00.0	54	Begin Pre-Cal		
10833	M1O	04-002/15:15:00.0	54	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
10834	M1O	04-002/15:15:00.0	54	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
10835	M1O	04-002/15:15:00.0	54	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
10836	M1O	04-002/15:15:00.0	54	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
10837	M1O	04-002/15:15:00.0	54	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
10838	M1O	04-002/15:15:00.0	54	Config: RCV: Parms:		
10839	M1O	04-002/15:15:00.0	54	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
10840	M1O	04-002/15:15:00.0	54	Config: TGC: BAND=X, SR=79632.000000		
10841	M1O	04-002/15:15:00.0	54	Config: TXL		
10842	M1O	04-002/15:15:00.0	54	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
10843	M1O	04-002/15:15:00.0	54	Config: CMD		
10844	M1O	04-002/15:15:00.0	54	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
10845	M1O	04-002/15:21:24.1		NOTE: Descending Node Crossing 9100		04-002/15:12:02.4
10846	M1O	04-002/15:50:45.6		NOTE: South Pole Crossing 9100		04-002/15:41:23.7
10847	M1O	04-002/15:52:18.0		NOTE: Periapsis 9100 ----------		04-002/15:42:56.2
10848	M1O	04-002/16:19:03.7		NOTE: Enter Solar Eclipse 9100		04-002/16:09:41.7
10849	M1O	04-002/16:20:03.3		NOTE: Ascending Node Crossing 9100		04-002/16:10:41.4
10850	M1O	04-002/16:29:35.8		SPAWN, Engine = 65535, Parameters = 00:43:15.245	cstr	04-002/16:20:13.8
10851	M1O	04-002/16:29:35.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-002/16:20:13.9
10852	M1O	04-002/16:29:36.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-002/16:20:14.9
10853	M1O	04-002/16:29:37.9		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-002/16:20:15.9
10854	M1O	04-002/16:29:38.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-002/16:20:16.9
10855	M1O	04-002/16:29:39.9		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-002/16:20:17.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10856	M1O	04-002/16:29:49.9		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-002/16:20:27.9
10857	M1O	04-002/16:29:59.9		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-002/16:20:37.9
10858	M1O	04-002/16:30:00.0	54	Begin Tracking		
10859	M1O	04-002/16:30:00.0	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10860	M1O	04-002/16:40:10.2		NOTE: Exit Solar Eclipse 9100		04-002/16:30:48.2
10861	M1O	04-002/16:40:44.0		NOTE: ENTER HGA KEEP OUT ZONE		
10862	M1O	04-002/16:40:44.0	54	NOTE: Loss Of X-Band Signal		
10863	M1O	04-002/16:48:03.1		NOTE: Enter Planetary Atmosphere 9100		04-002/16:38:41.0
10864	M1O	04-002/16:49:33.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10865	M1O	04-002/16:49:39.2		NOTE: Enter Earth Occultation 9100		04-002/16:40:17.1
10866	M1O	04-002/16:50:00.2		NOTE: North Pole Crossing 9100		04-002/16:40:38.1
10867	M1O	04-002/16:52:23.3		NOTE: Apoapsis 9100 -		04-002/16:43:01.2
10868	M1O	04-002/16:54:33.0	54	Range Modulation On: SUP=3.0dB		
10869	M1O	04-002/16:55:33.0	54	Begin Ranging Acquisition		
10870	M1O	04-002/17:00:04.0		NOTE: EXIT HGA KEEP OUT ZONE		
10871	M1O	04-002/17:07:44.4		NOTE: Exit Earth Occultation 9100		04-002/16:58:22.3
10872	M1O	04-002/17:07:44.4	54	Acquisition Of X-Band Signal		
10873	M1O	04-002/17:07:44.4	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10874	M1O	04-002/17:08:17.0	54	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10875	M1O	04-002/17:09:21.5		NOTE: Exit Planetary Atmosphere 9100		04-002/16:59:59.4
10876	M1O	04-002/17:13:15.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-002/17:03:53.1
10877	M1O	04-002/17:13:16.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-002/17:03:54.1
10878	M1O	04-002/17:13:16.2	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10879	M1O	04-002/17:13:17.2		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-002/17:03:55.1
10880	M1O	04-002/17:20:01.3		NOTE: Descending Node Crossing 9101		04-002/17:10:39.2
10881	M1O	04-002/17:49:22.7		NOTE: South Pole Crossing 9101		04-002/17:40:00.4
10882	M1O	04-002/17:50:56.6		NOTE: Periapsis 9101 ----------		04-002/17:41:34.3
10883	M1O	04-002/18:05:35.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
10884	M1O	04-002/18:15:35.0	54	Range Modulation Off		
10885	M1O	04-002/18:17:39.6		NOTE: Enter Solar Eclipse 9101		04-002/18:08:17.3
10886	M1O	04-002/18:18:39.9		NOTE: Ascending Node Crossing 9101		04-002/18:09:17.6
10887	M1O	04-002/18:20:35.0	54	X-Band Transmitter Off		
10888	M1O	04-002/18:38:17.5		SPAWN, Engine = 65535, Parameters = 3, 00:33:33, 1	dpt	04-002/18:28:55.1
10889	M1O	04-002/18:38:19.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-002/18:28:57.2
10890	M1O	04-002/18:38:19.6	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10891	M1O	04-002/18:38:20.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-002/18:28:58.2
10892	M1O	04-002/18:38:45.1		NOTE: Exit Solar Eclipse 9101		04-002/18:29:22.8
10893	M1O	04-002/18:39:19.6	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10894	M1O	04-002/18:39:21.3		NOTE: ENTER HGA KEEP OUT ZONE		
10895	M1O	04-002/18:39:21.3	54	NOTE: Loss Of X-Band Signal		
10896	M1O	04-002/18:46:40.9		NOTE: Enter Planetary Atmosphere 9101		04-002/18:37:18.5
10897	M1O	04-002/18:48:08.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10898	M1O	04-002/18:48:17.1		NOTE: Enter Earth Occultation 9101		04-002/18:38:54.7
10899	M1O	04-002/18:48:37.0		NOTE: North Pole Crossing 9101		04-002/18:39:14.6
10900	M1O	04-002/18:50:48.8		NOTE: Apoapsis 9101 -		04-002/18:41:26.3
10901	M1O	04-002/18:53:08.0	54	Range Modulation On: SUP=3.0dB		
10902	M1O	04-002/18:54:08.0	54	Begin Ranging Acquisition		
10903	M1O	04-002/18:58:41.4		NOTE: EXIT HGA KEEP OUT ZONE		
10904	M1O	04-002/19:06:20.8		NOTE: Exit Earth Occultation 9101		04-002/18:56:58.3
10905	M1O	04-002/19:06:20.8	54	Acquisition Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10906	M1O	04-002/19:06:20.8	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10907	M1O	04-002/19:06:52.8	54	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10908	M1O	04-002/19:07:58.0		NOTE: Exit Planetary Atmosphere 9101		04-002/18:58:35.5
10909	M1O	04-002/19:11:52.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-002/19:02:30.2
10910	M1O	04-002/19:11:52.7	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10911	M1O	04-002/19:11:53.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-002/19:02:31.2
10912	M1O	04-002/19:18:38.3		NOTE: Descending Node Crossing 9102		04-002/19:09:15.8
10913	M1O	04-002/19:47:59.6		NOTE: South Pole Crossing 9102		04-002/19:38:37.0
10914	M1O	04-002/19:49:29.1		NOTE: Periapsis 9102 ----------		04-002/19:40:06.5
10915	M1O	04-002/20:04:12.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
10916	M1O	04-002/20:14:12.0	54	Range Modulation Off		
10917	M1O	04-002/20:16:16.5		NOTE: Enter Solar Eclipse 9102		04-002/20:06:53.8
10918	M1O	04-002/20:17:16.9		NOTE: Ascending Node Crossing 9102		04-002/20:07:54.2
10919	M1O	04-002/20:19:12.0	54	X-Band Transmitter Off		
10920	M1O	04-002/20:36:54.9		SPAWN, Engine = 65535, Parameters = 3, 00:33:34, 1	dpt	04-002/20:27:32.1
10921	M1O	04-002/20:36:57.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-002/20:27:34.2
10922	M1O	04-002/20:36:57.0	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10923	M1O	04-002/20:36:58.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-002/20:27:35.2
10924	M1O	04-002/20:37:23.4		NOTE: Exit Solar Eclipse 9102		04-002/20:28:00.7
10925	M1O	04-002/20:37:57.3	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10926	M1O	04-002/20:37:58.7		NOTE: ENTER HGA KEEP OUT ZONE		
10927	M1O	04-002/20:37:58.7	54	NOTE: Loss Of X-Band Signal		
10928	M1O	04-002/20:45:13.4		NOTE: Enter Planetary Atmosphere 9102		04-002/20:35:50.6
10929	M1O	04-002/20:46:46.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10930	M1O	04-002/20:46:49.1		NOTE: Enter Earth Occultation 9102		04-002/20:37:26.3
10931	M1O	04-002/20:47:13.2		NOTE: North Pole Crossing 9102		04-002/20:37:50.4
10932	M1O	04-002/20:49:12.6		NOTE: Apoapsis 9102 -		04-002/20:39:49.9
10933	M1O	04-002/20:51:46.0	54	Range Modulation On: SUP=3.0dB		
10934	M1O	04-002/20:52:46.0	54	Begin Ranging Acquisition		
10935	M1O	04-002/20:57:18.8		NOTE: EXIT HGA KEEP OUT ZONE		
10936	M1O	04-002/21:04:59.2		NOTE: Exit Earth Occultation 9102		04-002/20:55:36.4
10937	M1O	04-002/21:04:59.2	54	Acquisition Of X-Band Signal		
10938	M1O	04-002/21:04:59.2	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10939	M1O	04-002/21:05:31.5	54	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10940	M1O	04-002/21:06:35.9		NOTE: Exit Planetary Atmosphere 9102		04-002/20:57:13.1
10941	M1O	04-002/21:10:31.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-002/21:01:08.2
10942	M1O	04-002/21:10:31.1	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10943	M1O	04-002/21:10:32.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-002/21:01:09.2
10944	M1O	04-002/21:17:13.4		NOTE: Descending Node Crossing 9103		04-002/21:07:50.5
10945	M1O	04-002/21:40:00.0	15	Begin Pre-Cal		
10946	M1O	04-002/21:40:00.0	15	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
10947	M1O	04-002/21:40:00.0	15	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
10948	M1O	04-002/21:40:00.0	15	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
10949	M1O	04-002/21:40:00.0	15	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
10950	M1O	04-002/21:40:00.0	15	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
10951	M1O	04-002/21:40:00.0	15	Config: RCV: Parms:		
10952	M1O	04-002/21:40:00.0	15	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
10953	M1O	04-002/21:40:00.0	15	Config: TGC: BAND=X, SR=79632.000000		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10954	M1O	04-002/21:40:00.0	15	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
10955	M1O	04-002/21:46:34.7		NOTE: South Pole Crossing 9103		04-002/21:37:11.7
10956	M1O	04-002/21:48:07.4		NOTE: Periapsis 9103 ----------		04-002/21:38:44.4
10957	M1O	04-002/22:02:46.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
10958	M1O	04-002/22:09:41.0		SPAWN, Engine = 65535, Parameters = 002, 03, TRUE, 00:17:28.053, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-002/22:00:18.0
10959	M1O	04-002/22:09:41.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-002/22:00:18.5
10960	M1O	04-002/22:09:41.5	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10961	M1O	04-002/22:09:42.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-002/22:00:19.1
10962	M1O	04-002/22:09:44.1		CALL, Engine = , Parameters = 56	get_cmd_opt	04-002/22:00:21.1
10963	M1O	04-002/22:09:44.4		CALL, Engine = , Parameters = 002, 03, 056	bld_autosw	04-002/22:00:21.4
10964	M1O	04-002/22:09:45.5		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-002/22:00:22.5
10965	M1O	04-002/22:09:46.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/22:00:23.6
10966	M1O	04-002/22:09:47.6		Deletes the designated file.: d:/dat/056_doy002_pass03_file01.dat	FILE_DELETE	04-002/22:00:24.6
10967	M1O	04-002/22:09:48.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/22:00:25.7
10968	M1O	04-002/22:09:49.7		Deletes the designated file.: d:/dat/056_doy002_pass03_file02.dat	FILE_DELETE	04-002/22:00:26.7
10969	M1O	04-002/22:09:50.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/22:00:27.8
10970	M1O	04-002/22:09:51.8		Deletes the designated file.: d:/dat/056_doy002_pass03_file03.dat	FILE_DELETE	04-002/22:00:28.8
10971	M1O	04-002/22:09:52.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/22:00:29.9
10972	M1O	04-002/22:09:53.9		Deletes the designated file.: d:/dat/056_doy002_pass03_file04.dat	FILE_DELETE	04-002/22:00:30.9
10973	M1O	04-002/22:09:55.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/22:00:32.0
10974	M1O	04-002/22:09:56.0		Deletes the designated file.: d:/dat/056_doy002_pass03_file05.dat	FILE_DELETE	04-002/22:00:33.0
10975	M1O	04-002/22:09:57.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/22:00:34.1
10976	M1O	04-002/22:09:58.1		Deletes the designated file.: d:/dat/056_doy002_pass03_file06.dat	FILE_DELETE	04-002/22:00:35.1
10977	M1O	04-002/22:09:59.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/22:00:36.2
10978	M1O	04-002/22:10:00.2		Deletes the designated file.: d:/dat/056_doy002_pass03_file07.dat	FILE_DELETE	04-002/22:00:37.2
10979	M1O	04-002/22:10:01.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/22:00:38.3
10980	M1O	04-002/22:10:02.3		Deletes the designated file.: d:/dat/056_doy002_pass03_file08.dat	FILE_DELETE	04-002/22:00:39.3
10981	M1O	04-002/22:10:03.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/22:00:40.4
10982	M1O	04-002/22:10:04.4		Deletes the designated file.: d:/dat/056_doy002_pass03_file09.dat	FILE_DELETE	04-002/22:00:41.4
10983	M1O	04-002/22:10:05.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/22:00:42.5
10984	M1O	04-002/22:10:06.5		Deletes the designated file.: d:/dat/056_doy002_pass03_file10.dat	FILE_DELETE	04-002/22:00:43.5
10985	M1O	04-002/22:10:07.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/22:00:44.6
10986	M1O	04-002/22:10:08.6		Deletes the designated file.: d:/dat/056_doy002_pass03_file11.dat	FILE_DELETE	04-002/22:00:45.6
10987	M1O	04-002/22:10:09.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/22:00:46.7
10988	M1O	04-002/22:10:10.7		Deletes the designated file.: d:/dat/056_doy002_pass03_file12.dat	FILE_DELETE	04-002/22:00:47.7
10989	M1O	04-002/22:10:11.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/22:00:48.8
10990	M1O	04-002/22:10:12.8		Deletes the designated file.: d:/dat/056_doy002_pass03_file13.dat	FILE_DELETE	04-002/22:00:49.8

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10991	M1O	04-002/22:10:13.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/22:00:50.9
10992	M1O	04-002/22:10:14.9		Deletes the designated file.: d:/dat/056_doy002_pass03_file14.dat	FILE_DELETE	04-002/22:00:51.9
10993	M1O	04-002/22:10:16.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/22:00:53.0
10994	M1O	04-002/22:10:17.0		Deletes the designated file.: d:/dat/056_doy002_pass03_file15.dat	FILE_DELETE	04-002/22:00:54.0
10995	M1O	04-002/22:10:18.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/22:00:55.1
10996	M1O	04-002/22:10:19.1		Deletes the designated file.: d:/dat/056_doy002_pass03_file16.dat	FILE_DELETE	04-002/22:00:56.1
10997	M1O	04-002/22:10:20.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/22:00:57.2
10998	M1O	04-002/22:10:21.2		Deletes the designated file.: d:/dat/056_doy002_pass03_file17.dat	FILE_DELETE	04-002/22:00:58.2
10999	M1O	04-002/22:10:22.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/22:00:59.3
11000	M1O	04-002/22:10:23.3		Deletes the designated file.: d:/dat/056_doy002_pass03_file18.dat	FILE_DELETE	04-002/22:01:00.3
11001	M1O	04-002/22:10:24.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy002_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/22:01:01.4
11002	M1O	04-002/22:10:25.4		Deletes the designated file.: d:/dat/056_doy002_pass03_file19.dat	FILE_DELETE	04-002/22:01:02.4
11003	M1O	04-002/22:10:26.4		CALL, Engine = , Parameters = 56	get_apid	04-002/22:01:03.4
11004	M1O	04-002/22:10:27.5		CALL, Engine = , Parameters = 56	get_rcv_mode	04-002/22:01:04.5
11005	M1O	04-002/22:10:27.7		CALL, Engine = , Parameters = 56	get_dl_rate	04-002/22:01:04.7
11006	M1O	04-002/22:10:28.8		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-002/22:01:05.8
11007	M1O	04-002/22:10:30.0		CALL, Engine = , Parameters = 56	get_coding	04-002/22:01:07.0
11008	M1O	04-002/22:10:31.2		CALL, Engine = , Parameters = 56	get_xmt_mode	04-002/22:01:08.2
11009	M1O	04-002/22:10:32.4		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-002/22:01:09.4
11010	M1O	04-002/22:11:37.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-002/22:02:14.2
11011	M1O	04-002/22:11:38.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-002/22:02:15.2
11012	M1O	04-002/22:11:39.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-002/22:02:16.2
11013	M1O	04-002/22:11:40.2		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-002/22:02:17.2
11014	M1O	04-002/22:11:41.2		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-002/22:02:18.2
11015	M1O	04-002/22:11:42.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-002/22:02:19.2
11016	M1O	04-002/22:11:43.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/22:02:20.2
11017	M1O	04-002/22:12:33.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-002/22:03:10.2
11018	M1O	04-002/22:12:43.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-002/22:03:20.2
11019	M1O	04-002/22:12:46.0	54	Range Modulation Off		
11020	M1O	04-002/22:14:44.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/22:05:21.2
11021	M1O	04-002/22:14:45.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/22:05:22.2
11022	M1O	04-002/22:14:50.9		NOTE: Enter Solar Eclipse 9103		04-002/22:05:27.8
11023	M1O	04-002/22:15:51.8		NOTE: Ascending Node Crossing 9103		04-002/22:06:28.8
11024	M1O	04-002/22:16:44.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/22:07:21.2
11025	M1O	04-002/22:16:45.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/22:07:22.2
11026	M1O	04-002/22:17:46.0	54	X-Band Transmitter Off		
11027	M1O	04-002/22:18:44.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/22:09:21.2
11028	M1O	04-002/22:18:45.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/22:09:22.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11029	M1O	04-002/22:20:44.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/22:11:21.2
11030	M1O	04-002/22:20:45.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/22:11:22.2
11031	M1O	04-002/22:22:44.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/22:13:21.2
11032	M1O	04-002/22:22:45.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/22:13:22.2
11033	M1O	04-002/22:24:44.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/22:15:21.2
11034	M1O	04-002/22:24:45.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/22:15:22.2
11035	M1O	04-002/22:26:44.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/22:17:21.2
11036	M1O	04-002/22:26:45.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/22:17:22.2
11037	M1O	04-002/22:28:44.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/22:19:21.2
11038	M1O	04-002/22:28:45.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/22:19:22.2
11039	M1O	04-002/22:29:09.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-002/22:19:46.2
11040	M1O	04-002/22:29:10.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-002/22:19:47.3
11041	M1O	04-002/22:29:20.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-002/22:19:57.3
11042	M1O	04-002/22:29:21.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-002/22:19:58.3
11043	M1O	04-002/22:29:22.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-002/22:19:59.3
11044	M1O	04-002/22:29:22.4	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11045	M1O	04-002/22:29:23.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-002/22:20:00.3
11046	M1O	04-002/22:34:22.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-002/22:24:59.0
11047	M1O	04-002/22:34:22.1	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11048	M1O	04-002/22:35:29.2		SPAWN, Engine = 65535, Parameters = 3, 00:33:36, 1	dpt	04-002/22:26:06.1
11049	M1O	04-002/22:35:31.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-002/22:26:08.2
11050	M1O	04-002/22:35:31.3	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11051	M1O	04-002/22:35:32.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-002/22:26:09.2
11052	M1O	04-002/22:36:01.3		NOTE: Exit Solar Eclipse 9103		04-002/22:26:38.2
11053	M1O	04-002/22:36:32.1	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11054	M1O	04-002/22:36:33.1		NOTE: ENTER HGA KEEP OUT ZONE		
11055	M1O	04-002/22:36:33.1	54	NOTE: Loss Of X-Band Signal		
11056	M1O	04-002/22:43:41.9		NOTE: Enter Planetary Atmosphere 9103		04-002/22:34:18.8
11057	M1O	04-002/22:45:17.0		NOTE: Enter Earth Occultation 9103		04-002/22:35:53.8
11058	M1O	04-002/22:45:22.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
11059	M1O	04-002/22:45:47.0		NOTE: North Pole Crossing 9103		04-002/22:36:23.8
11060	M1O	04-002/22:47:56.1		NOTE: Apoapsis 9103 -		04-002/22:38:33.0
11061	M1O	04-002/22:50:22.0	54	Range Modulation On: SUP=3.0dB		
11062	M1O	04-002/22:51:22.0	54	Begin Ranging Acquisition		
11063	M1O	04-002/22:55:00.0	15	Begin Tracking		
11064	M1O	04-002/22:55:00.8		NOTE: Changing to 34M (HEF) downlink rate: 66360_BPS		04-002/22:45:37.7
11065	M1O	04-002/22:55:00.8		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 66360_BPS	DOWNLINK_RATE	04-002/22:45:37.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11066	M1O	04-002/22:55:53.1		NOTE: EXIT HGA KEEP OUT ZONE		
11067	M1O	04-002/23:00:00.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
11068	M1O	04-002/23:03:35.3		NOTE: Exit Earth Occultation 9103		04-002/22:54:12.1
11069	M1O	04-002/23:03:35.3	15	Acquisition Of X-Band Signal		
11070	M1O	04-002/23:03:35.3	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11071	M1O	04-002/23:03:35.3	54	Acquisition Of X-Band Signal		
11072	M1O	04-002/23:03:35.3	54	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11073	M1O	04-002/23:04:08.2	15	Acquire D/L: X/08, 3-Way/54, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11074	M1O	04-002/23:04:08.2	54	Acquire D/L: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11075	M1O	04-002/23:05:11.4		NOTE: Exit Planetary Atmosphere 9103		04-002/22:55:48.1
11076	M1O	04-002/23:06:13.5	54	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
11077	M1O	04-002/23:09:07.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-002/22:59:44.2
11078	M1O	04-002/23:09:07.4	15	D/L Change: X/08, 3-Way/54, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11079	M1O	04-002/23:09:07.4	54	D/L Change: X/08, 2-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11080	M1O	04-002/23:09:08.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-002/22:59:45.2
11081	M1O	04-002/23:10:00.0	54	Range Modulation Off		
11082	M1O	04-002/23:15:00.0	54	X-Band Transmitter Off		
11083	M1O	04-002/23:15:46.0		NOTE: Descending Node Crossing 9104		04-002/23:06:22.8
11084	M1O	04-002/23:25:00.0	54	End Tracking		
11085	M1O	04-002/23:32:43.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-002/23:23:20.1
11086	M1O	04-002/23:32:45.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-002/23:23:22.2
11087	M1O	04-002/23:32:45.5	15	D/L Change: X/08, 3-Way/54, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11088	M1O	04-002/23:32:46.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-002/23:23:23.2
11089	M1O	04-002/23:33:46.4	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11090	M1O	04-002/23:38:45.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-002/23:29:22.2
11091	M1O	04-002/23:38:45.5	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11092	M1O	04-002/23:38:46.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-002/23:29:23.2
11093	M1O	04-002/23:40:00.0	54	End Post-Cal		
11094	M1O	04-002/23:45:06.8		NOTE: South Pole Crossing 9104		04-002/23:35:43.4
11095	M1O	04-002/23:46:39.9		NOTE: Periapsis 9104 ----------		04-002/23:37:16.6
11096	M1O	04-003/00:00:00.0		Light Time: OWLT = 09:23, RTLT = 18:46		
11097	M1O	04-003/00:07:28.3		SPAWN, Engine = 65535, Parameters = 003, 01, TRUE, 00:16:37.642, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-002/23:58:05.0
11098	M1O	04-003/00:07:28.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-002/23:58:05.5
11099	M1O	04-003/00:07:28.8	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11100	M1O	04-003/00:07:29.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-002/23:58:06.1
11101	M1O	04-003/00:07:31.4		CALL, Engine = , Parameters = 56	get_cmd_opt	04-002/23:58:08.1
11102	M1O	04-003/00:07:31.7		CALL, Engine = , Parameters = 003, 01, 056	bld_autosw	04-002/23:58:08.4
11103	M1O	04-003/00:07:32.8		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-002/23:58:09.5
11104	M1O	04-003/00:07:33.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/23:58:10.6
11105	M1O	04-003/00:07:34.9		Deletes the designated file.: d:/dat/056_doy003_pass01_file01.dat	FILE_DELETE	04-002/23:58:11.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11106	M1O	04-003/00:07:36.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/23:58:12.7
11107	M1O	04-003/00:07:37.0		Deletes the designated file.: d:/dat/056_doy003_pass01_file02.dat	FILE_DELETE	04-002/23:58:13.7
11108	M1O	04-003/00:07:38.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/23:58:14.8
11109	M1O	04-003/00:07:39.1		Deletes the designated file.: d:/dat/056_doy003_pass01_file03.dat	FILE_DELETE	04-002/23:58:15.8
11110	M1O	04-003/00:07:40.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/23:58:16.9
11111	M1O	04-003/00:07:41.2		Deletes the designated file.: d:/dat/056_doy003_pass01_file04.dat	FILE_DELETE	04-002/23:58:17.9
11112	M1O	04-003/00:07:42.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/23:58:19.0
11113	M1O	04-003/00:07:43.3		Deletes the designated file.: d:/dat/056_doy003_pass01_file05.dat	FILE_DELETE	04-002/23:58:20.0
11114	M1O	04-003/00:07:44.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/23:58:21.1
11115	M1O	04-003/00:07:45.4		Deletes the designated file.: d:/dat/056_doy003_pass01_file06.dat	FILE_DELETE	04-002/23:58:22.1
11116	M1O	04-003/00:07:46.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/23:58:23.2
11117	M1O	04-003/00:07:47.5		Deletes the designated file.: d:/dat/056_doy003_pass01_file07.dat	FILE_DELETE	04-002/23:58:24.2
11118	M1O	04-003/00:07:48.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/23:58:25.3
11119	M1O	04-003/00:07:49.6		Deletes the designated file.: d:/dat/056_doy003_pass01_file08.dat	FILE_DELETE	04-002/23:58:26.3
11120	M1O	04-003/00:07:50.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/23:58:27.4
11121	M1O	04-003/00:07:51.7		Deletes the designated file.: d:/dat/056_doy003_pass01_file09.dat	FILE_DELETE	04-002/23:58:28.4
11122	M1O	04-003/00:07:52.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/23:58:29.5
11123	M1O	04-003/00:07:53.8		Deletes the designated file.: d:/dat/056_doy003_pass01_file10.dat	FILE_DELETE	04-002/23:58:30.5
11124	M1O	04-003/00:07:54.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/23:58:31.6
11125	M1O	04-003/00:07:55.9		Deletes the designated file.: d:/dat/056_doy003_pass01_file11.dat	FILE_DELETE	04-002/23:58:32.6
11126	M1O	04-003/00:07:57.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/23:58:33.7
11127	M1O	04-003/00:07:58.0		Deletes the designated file.: d:/dat/056_doy003_pass01_file12.dat	FILE_DELETE	04-002/23:58:34.7
11128	M1O	04-003/00:07:59.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/23:58:35.8
11129	M1O	04-003/00:08:00.1		Deletes the designated file.: d:/dat/056_doy003_pass01_file13.dat	FILE_DELETE	04-002/23:58:36.8
11130	M1O	04-003/00:08:01.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/23:58:37.9
11131	M1O	04-003/00:08:02.2		Deletes the designated file.: d:/dat/056_doy003_pass01_file14.dat	FILE_DELETE	04-002/23:58:38.9
11132	M1O	04-003/00:08:03.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/23:58:40.0
11133	M1O	04-003/00:08:04.3		Deletes the designated file.: d:/dat/056_doy003_pass01_file15.dat	FILE_DELETE	04-002/23:58:41.0
11134	M1O	04-003/00:08:05.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/23:58:42.1
11135	M1O	04-003/00:08:06.4		Deletes the designated file.: d:/dat/056_doy003_pass01_file16.dat	FILE_DELETE	04-002/23:58:43.1
11136	M1O	04-003/00:08:07.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/23:58:44.2
11137	M1O	04-003/00:08:08.5		Deletes the designated file.: d:/dat/056_doy003_pass01_file17.dat	FILE_DELETE	04-002/23:58:45.2
11138	M1O	04-003/00:08:09.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/23:58:46.3
11139	M1O	04-003/00:08:10.6		Deletes the designated file.: d:/dat/056_doy003_pass01_file18.dat	FILE_DELETE	04-002/23:58:47.3
11140	M1O	04-003/00:08:11.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-002/23:58:48.4
11141	M1O	04-003/00:08:12.7		Deletes the designated file.: d:/dat/056_doy003_pass01_file19.dat	FILE_DELETE	04-002/23:58:49.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11142	M1O	04-003/00:08:13.7		CALL, Engine = , Parameters = 56	get_apid	04-002/23:58:50.4
11143	M1O	04-003/00:08:14.8		CALL, Engine = , Parameters = 56	get_rcv_mode	04-002/23:58:51.5
11144	M1O	04-003/00:08:15.0		CALL, Engine = , Parameters = 56	get_dl_rate	04-002/23:58:51.7
11145	M1O	04-003/00:08:16.1		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-002/23:58:52.8
11146	M1O	04-003/00:08:17.3		CALL, Engine = , Parameters = 56	get_coding	04-002/23:58:54.0
11147	M1O	04-003/00:08:18.5		CALL, Engine = , Parameters = 56	get_xmt_mode	04-002/23:58:55.2
11148	M1O	04-003/00:08:19.7		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-002/23:58:56.4
11149	M1O	04-003/00:09:24.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-003/00:00:01.2
11150	M1O	04-003/00:09:25.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-003/00:00:02.2
11151	M1O	04-003/00:09:26.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-003/00:00:03.2
11152	M1O	04-003/00:09:27.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-003/00:00:04.2
11153	M1O	04-003/00:09:28.6		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-003/00:00:05.2
11154	M1O	04-003/00:09:29.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-003/00:00:06.2
11155	M1O	04-003/00:09:30.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/00:00:07.2
11156	M1O	04-003/00:10:20.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-003/00:00:57.2
11157	M1O	04-003/00:10:30.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-003/00:01:07.2
11158	M1O	04-003/00:12:31.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/00:03:08.2
11159	M1O	04-003/00:12:32.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/00:03:09.2
11160	M1O	04-003/00:13:21.9		NOTE: Enter Solar Eclipse 9104		04-003/00:03:58.5
11161	M1O	04-003/00:14:23.5		NOTE: Ascending Node Crossing 9104		04-003/00:05:00.0
11162	M1O	04-003/00:14:31.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/00:05:08.2
11163	M1O	04-003/00:14:32.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/00:05:09.2
11164	M1O	04-003/00:16:31.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/00:07:08.2
11165	M1O	04-003/00:16:32.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/00:07:09.2
11166	M1O	04-003/00:18:31.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/00:09:08.2
11167	M1O	04-003/00:18:32.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/00:09:09.2
11168	M1O	04-003/00:20:31.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/00:11:08.2
11169	M1O	04-003/00:20:32.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/00:11:09.2
11170	M1O	04-003/00:22:31.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/00:13:08.2
11171	M1O	04-003/00:22:32.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/00:13:09.2
11172	M1O	04-003/00:24:31.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/00:15:08.2
11173	M1O	04-003/00:24:32.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/00:15:09.2
11174	M1O	04-003/00:26:06.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/00:16:42.8
11175	M1O	04-003/00:26:07.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-003/00:16:43.9
11176	M1O	04-003/00:26:17.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-003/00:16:53.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11177	M1O	04-003/00:26:18.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-003/00:16:54.9
11178	M1O	04-003/00:26:19.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-003/00:16:55.9
11179	M1O	04-003/00:26:19.3	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11180	M1O	04-003/00:26:20.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-003/00:16:56.9
11181	M1O	04-003/00:31:19.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-003/00:21:55.6
11182	M1O	04-003/00:31:19.1	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11183	M1O	04-003/00:34:04.4		SPAWN, Engine = 65535, Parameters = 3, 00:33:00.626, 1	dpt	04-003/00:24:41.0
11184	M1O	04-003/00:34:06.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-003/00:24:43.1
11185	M1O	04-003/00:34:06.5	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11186	M1O	04-003/00:34:07.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-003/00:24:44.1
11187	M1O	04-003/00:34:33.6		NOTE: Exit Solar Eclipse 9104		04-003/00:25:10.2
11188	M1O	04-003/00:35:06.4		NOTE: ENTER HGA KEEP OUT ZONE		
11189	M1O	04-003/00:35:06.4	15	NOTE: Loss Of X-Band Signal		
11190	M1O	04-003/00:42:12.0		NOTE: Enter Planetary Atmosphere 9104		04-003/00:32:48.5
11191	M1O	04-003/00:43:46.9		NOTE: Enter Earth Occultation 9104		04-003/00:34:23.4
11192	M1O	04-003/00:44:18.5		NOTE: North Pole Crossing 9104		04-003/00:34:55.0
11193	M1O	04-003/00:46:32.0		NOTE: Apoapsis 9104 -		04-003/00:37:08.5
11194	M1O	04-003/00:54:26.5		NOTE: EXIT HGA KEEP OUT ZONE		
11195	M1O	04-003/01:02:07.1		NOTE: Exit Earth Occultation 9104		04-003/00:52:43.6
11196	M1O	04-003/01:02:07.1	15	Acquisition Of X-Band Signal		
11197	M1O	04-003/01:02:07.1	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11198	M1O	04-003/01:03:43.1		NOTE: Exit Planetary Atmosphere 9104		04-003/00:54:19.5
11199	M1O	04-003/01:07:07.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-003/00:57:43.7
11200	M1O	04-003/01:07:07.3	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11201	M1O	04-003/01:07:08.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-003/00:57:44.7
11202	M1O	04-003/01:14:17.6		NOTE: Descending Node Crossing 9105		04-003/01:04:54.0
11203	M1O	04-003/01:27:18.6		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-003/01:17:55.0
11204	M1O	04-003/01:27:18.7		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-003/01:17:55.1
11205	M1O	04-003/01:27:19.7		Forces a desaturation of the reaction wheels.	RW_DESAT	04-003/01:17:56.1
11206	M1O	04-003/01:30:41.6		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-003/01:21:18.0
11207	M1O	04-003/01:30:57.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-001T01:21:18.100, 2004-003T01:21:18.100	PCKTS_RE_TX_TIME	04-003/01:21:33.8
11208	M1O	04-003/01:30:58.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-001T01:21:18.100, 2004-003T01:21:18.100	PCKTS_RE_TX_TIME	04-003/01:21:34.8
11209	M1O	04-003/01:30:59.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-001T01:21:18.100, 2004-003T01:21:18.100	PCKTS_RE_TX_TIME	04-003/01:21:35.8
11210	M1O	04-003/01:31:00.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-001T01:21:18.100, 2004-003T01:21:18.100	PCKTS_RE_TX_TIME	04-003/01:21:36.8
11211	M1O	04-003/01:31:01.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-001T01:21:18.100, 2004-003T01:21:18.100	PCKTS_RE_TX_TIME	04-003/01:21:37.8
11212	M1O	04-003/01:31:02.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-001T01:21:18.100, 2004-003T01:21:18.100	PCKTS_RE_TX_TIME	04-003/01:21:38.8
11213	M1O	04-003/01:31:02.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-003/01:21:38.8
11214	M1O	04-003/01:31:02.4	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11215	M1O	04-003/01:38:03.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-003/01:28:39.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11216	M1O	04-003/01:38:03.4	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11217	M1O	04-003/01:38:04.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-003/01:28:40.8
11218	M1O	04-003/01:38:20.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-003/01:28:56.8
11219	M1O	04-003/01:38:20.4	15	D/L RF Warning: SC antenna change - expect signal level variation		
11220	M1O	04-003/01:38:21.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-003/01:28:57.8
11221	M1O	04-003/01:38:49.7		CALL, Engine = , Parameters = FALSE	park_hga	04-003/01:29:26.1
11222	M1O	04-003/01:38:49.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-003/01:29:26.1
11223	M1O	04-003/01:38:50.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-003/01:29:27.1
11224	M1O	04-003/01:38:51.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-003/01:29:28.1
11225	M1O	04-003/01:38:51.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-003/01:29:28.1
11226	M1O	04-003/01:38:51.7		NOTE: START HGA PARK		
11227	M1O	04-003/01:38:51.7	15	NOTE: Loss Of X-Band Signal		
11228	M1O	04-003/01:38:52.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-003/01:29:29.1
11229	M1O	04-003/01:38:53.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-003/01:29:30.1
11230	M1O	04-003/01:43:23.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-003/01:34:00.1
11231	M1O	04-003/01:43:37.5		NOTE: South Pole Crossing 9105		04-003/01:34:13.8
11232	M1O	04-003/01:44:53.9		NOTE: Periapsis 9105 ----------		04-003/01:35:30.2
11233	M1O	04-003/01:46:53.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-003/01:37:30.1
11234	M1O	04-003/01:46:53.8		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-003/01:37:30.1
11235	M1O	04-003/02:11:53.5		NOTE: Enter Solar Eclipse 9105		04-003/02:02:29.8
11236	M1O	04-003/02:12:54.0		NOTE: Ascending Node Crossing 9105		04-003/02:03:30.3
11237	M1O	04-003/02:16:53.7		GV: GV_DESAT_ACTIVE = 1		04-003/02:07:30.0
11238	M1O	04-003/02:16:54.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-003/02:07:31.0
11239	M1O	04-003/02:16:54.7		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-003/02:07:31.0
11240	M1O	04-003/02:26:53.8		GV: GV_DESAT_ACTIVE = 0		04-003/02:17:30.0
11241	M1O	04-003/02:26:54.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-003/02:17:31.0
11242	M1O	04-003/02:26:55.8		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-003/02:17:32.0
11243	M1O	04-003/02:26:56.8		CALL, Engine = , Parameters =	unpark_hga	04-003/02:17:33.0
11244	M1O	04-003/02:26:56.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-003/02:17:33.0
11245	M1O	04-003/02:26:57.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-003/02:17:34.0
11246	M1O	04-003/02:31:27.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-003/02:22:04.0
11247	M1O	04-003/02:31:28.8		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-003/02:22:05.0
11248	M1O	04-003/02:32:59.6		NOTE: Exit Solar Eclipse 9105		04-003/02:23:35.8
11249	M1O	04-003/02:33:37.8		NOTE: ENTER HGA KEEP OUT ZONE		
11250	M1O	04-003/02:35:28.8		NOTE: EXIT HGA PARK		
11251	M1O	04-003/02:40:49.4		NOTE: Enter Planetary Atmosphere 9105		04-003/02:31:25.5
11252	M1O	04-003/02:42:25.1		NOTE: Enter Earth Occultation 9105		04-003/02:33:01.2
11253	M1O	04-003/02:42:50.4		NOTE: North Pole Crossing 9105		04-003/02:33:26.6
11254	M1O	04-003/02:44:42.7		NOTE: Apoapsis 9105 -		04-003/02:35:18.8
11255	M1O	04-003/02:52:57.9		NOTE: EXIT HGA KEEP OUT ZONE		
11256	M1O	04-003/03:00:10.2		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-003/02:50:46.3
11257	M1O	04-003/03:00:10.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-003/02:50:46.4
11258	M1O	04-003/03:00:11.3		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-003/02:50:47.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
11259	M1O	04-003/03:00:12.3		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-003/02:50:48.4
11260	M1O	04-003/03:00:13.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-003/02:50:49.4
11261	M1O	04-003/03:00:14.3		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-003/02:50:50.4
11262	M1O	04-003/03:00:24.3		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-003/02:51:00.4
11263	M1O	04-003/03:00:34.3		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-003/02:51:10.4
11264	M1O	04-003/03:00:35.2		NOTE: Exit Earth Occultation 9105		04-003/02:51:11.3
11265	M1O	04-003/03:00:35.2	15	Acquisition Of X-Band Signal		
11266	M1O	04-003/03:00:35.2	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11267	M1O	04-003/03:02:12.0		NOTE: Exit Planetary Atmosphere 9105		04-003/02:52:48.1
11268	M1O	04-003/03:05:34.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-003/02:56:10.4
11269	M1O	04-003/03:05:35.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-003/02:56:11.4
11270	M1O	04-003/03:05:35.3	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11271	M1O	04-003/03:05:36.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-003/02:56:12.4
11272	M1O	04-003/03:12:50.5		NOTE: Descending Node Crossing 9106		04-003/03:03:26.5
11273	M1O	04-003/03:42:11.3		NOTE: South Pole Crossing 9106		04-003/03:32:47.2
11274	M1O	04-003/03:43:18.7		NOTE: Periapsis 9106 ----------		04-003/03:33:54.7
11275	M1O	04-003/04:10:30.4		NOTE: Enter Solar Eclipse 9106		04-003/04:01:06.3
11276	M1O	04-003/04:11:29.0		NOTE: Ascending Node Crossing 9106		04-003/04:02:04.9
11277	M1O	04-003/04:31:08.2		SPAWN, Engine = 65535, Parameters = 3, 00:32:56.260, 1	dpt	04-003/04:21:44.0
11278	M1O	04-003/04:31:10.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-003/04:21:46.1
11279	M1O	04-003/04:31:10.3	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11280	M1O	04-003/04:31:11.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-003/04:21:47.1
11281	M1O	04-003/04:31:30.4		NOTE: Exit Solar Eclipse 9106		04-003/04:22:06.2
11282	M1O	04-003/04:32:10.2		NOTE: ENTER HGA KEEP OUT ZONE		
11283	M1O	04-003/04:32:10.2	15	NOTE: Loss Of X-Band Signal		
11284	M1O	04-003/04:39:29.0		NOTE: Enter Planetary Atmosphere 9106		04-003/04:30:04.8
11285	M1O	04-003/04:41:05.4		NOTE: Enter Earth Occultation 9106		04-003/04:31:41.2
11286	M1O	04-003/04:41:25.7		NOTE: North Pole Crossing 9106		04-003/04:32:01.5
11287	M1O	04-003/04:43:18.2		NOTE: Apoapsis 9106 -		04-003/04:33:54.0
11288	M1O	04-003/04:51:30.2		NOTE: EXIT HGA KEEP OUT ZONE		
11289	M1O	04-003/04:59:06.5		NOTE: Exit Earth Occultation 9106		04-003/04:49:42.2
11290	M1O	04-003/04:59:06.5	15	Acquisition Of X-Band Signal		
11291	M1O	04-003/04:59:06.5	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11292	M1O	04-003/05:00:44.0		NOTE: Exit Planetary Atmosphere 9106		04-003/04:51:19.7
11293	M1O	04-003/05:04:06.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-003/04:54:42.3
11294	M1O	04-003/05:04:06.6	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11295	M1O	04-003/05:04:07.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-003/04:54:43.3
11296	M1O	04-003/05:11:26.0		NOTE: Descending Node Crossing 9107		04-003/05:02:01.7
11297	M1O	04-003/05:20:00.0	34	Begin Pre-Cal		
11298	M1O	04-003/05:20:00.0	34	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
11299	M1O	04-003/05:20:00.0	34	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
11300	M1O	04-003/05:20:00.0	34	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
11301	M1O	04-003/05:20:00.0	34	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
11302	M1O	04-003/05:20:00.0	34	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
11303	M1O	04-003/05:20:00.0	34	Config: RCV: Parms:		
11304	M1O	04-003/05:20:00.0	34	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11305	M1O	04-003/05:20:00.0	34	Config: TGC: BAND=X, SR=132720.000000		
11306	M1O	04-003/05:20:00.0	34	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
11307	M1O	04-003/05:40:48.1		NOTE: South Pole Crossing 9107		04-003/05:31:23.7
11308	M1O	04-003/05:42:18.0		NOTE: Periapsis 9107 ----------		04-003/05:32:53.5
11309	M1O	04-003/06:09:07.2		NOTE: Enter Solar Eclipse 9107		04-003/05:59:42.7
11310	M1O	04-003/06:10:06.4		NOTE: Ascending Node Crossing 9107		04-003/06:00:41.9
11311	M1O	04-003/06:29:43.5		SPAWN, Engine = 65535, Parameters = 3, 00:32:55.323, 1	dpt	04-003/06:20:19.0
11312	M1O	04-003/06:29:45.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-003/06:20:21.1
11313	M1O	04-003/06:29:45.6	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11314	M1O	04-003/06:29:46.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-003/06:20:22.1
11315	M1O	04-003/06:30:06.6		NOTE: Exit Solar Eclipse 9107		04-003/06:20:42.0
11316	M1O	04-003/06:30:45.5		NOTE: ENTER HGA KEEP OUT ZONE		
11317	M1O	04-003/06:30:45.5	15	NOTE: Loss Of X-Band Signal		
11318	M1O	04-003/06:38:06.4		NOTE: Enter Planetary Atmosphere 9107		04-003/06:28:41.8
11319	M1O	04-003/06:39:43.1		NOTE: Enter Earth Occultation 9107		04-003/06:30:18.5
11320	M1O	04-003/06:40:02.5		NOTE: North Pole Crossing 9107		04-003/06:30:37.9
11321	M1O	04-003/06:42:26.6		NOTE: Apoapsis 9107 -		04-003/06:33:02.0
11322	M1O	04-003/06:50:00.0	34	Begin Tracking		
11323	M1O	04-003/06:50:05.6		NOTE: EXIT HGA KEEP OUT ZONE		
11324	M1O	04-003/06:57:40.9		NOTE: Exit Earth Occultation 9107		04-003/06:48:16.3
11325	M1O	04-003/06:57:40.9	15	Acquisition Of X-Band Signal		
11326	M1O	04-003/06:57:40.9	15	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11327	M1O	04-003/06:57:40.9	34	Acquisition Of X-Band Signal		
11328	M1O	04-003/06:57:40.9	34	Acquire D/L: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11329	M1O	04-003/06:58:39.0	15	NOTE: Below Uplink Interlock Limit		
11330	M1O	04-003/06:59:18.6		NOTE: Exit Planetary Atmosphere 9107		04-003/06:49:53.9
11331	M1O	04-003/07:02:41.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-003/06:53:16.4
11332	M1O	04-003/07:02:41.1	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11333	M1O	04-003/07:02:41.1	34	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11334	M1O	04-003/07:02:42.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-003/06:53:17.4
11335	M1O	04-003/07:08:58.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-003/06:59:33.4
11336	M1O	04-003/07:09:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-003/06:59:35.5
11337	M1O	04-003/07:09:00.2	15	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11338	M1O	04-003/07:09:00.2	34	D/L Change: X/08, 1-Way, BW=3, BR=66360.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11339	M1O	04-003/07:09:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-003/06:59:36.5
11340	M1O	04-003/07:09:24.6		SPAWN, Engine = 65535, Parameters =	scdiag	04-003/07:00:00.0
11341	M1O	04-003/07:09:25.7		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-003/07:00:01.1
11342	M1O	04-003/07:09:26.7		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-003/07:00:02.1
11343	M1O	04-003/07:10:00.0	15	End Tracking		
11344	M1O	04-003/07:10:00.1		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-003/07:00:35.4
11345	M1O	04-003/07:10:00.1		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	04-003/07:00:35.4
11346	M1O	04-003/07:10:00.1	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11347	M1O	04-003/07:10:02.9		NOTE: Descending Node Crossing 9108		04-003/07:00:38.2
11348	M1O	04-003/07:10:27.7		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-003/07:01:03.0
11349	M1O	04-003/07:10:27.9		NOTE: Start Block fsw_diag		04-003/07:01:03.2
11350	M1O	04-003/07:10:28.9		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-003/07:01:04.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11351	M1O	04-003/07:10:29.9		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	04-003/07:01:05.2
11352	M1O	04-003/07:10:40.9		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	04-003/07:01:16.2
11353	M1O	04-003/07:11:10.9		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-003/07:01:46.2
11354	M1O	04-003/07:11:30.9		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-003/07:02:06.2
11355	M1O	04-003/07:11:40.9		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-003/07:02:16.2
11356	M1O	04-003/07:12:00.9		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-003/07:02:36.2
11357	M1O	04-003/07:12:10.9		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-003/07:02:46.2
11358	M1O	04-003/07:12:15.9		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-003/07:02:51.2
11359	M1O	04-003/07:12:20.9		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-003/07:02:56.2
11360	M1O	04-003/07:12:25.9		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-003/07:03:01.2
11361	M1O	04-003/07:12:30.9		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-003/07:03:06.2
11362	M1O	04-003/07:12:35.9		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-003/07:03:11.2
11363	M1O	04-003/07:13:15.9		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-003/07:03:51.2
11364	M1O	04-003/07:13:20.9		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-003/07:03:56.2
11365	M1O	04-003/07:13:25.9		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-003/07:04:01.2
11366	M1O	04-003/07:13:30.9		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-003/07:04:06.2
11367	M1O	04-003/07:13:35.9		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-003/07:04:11.2
11368	M1O	04-003/07:13:36.9		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-003/07:04:12.2
11369	M1O	04-003/07:13:37.9		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-003/07:04:13.2
11370	M1O	04-003/07:13:38.9		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-003/07:04:14.2
11371	M1O	04-003/07:13:49.9		NOTE: End Block fsw_diag.mod		04-003/07:04:25.2
11372	M1O	04-003/07:15:00.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-003/07:05:35.5
11373	M1O	04-003/07:15:00.3	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11374	M1O	04-003/07:15:01.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-003/07:05:36.5
11375	M1O	04-003/07:25:00.0	15	End Post-Cal		
11376	M1O	04-003/07:39:25.3		NOTE: South Pole Crossing 9108		04-003/07:30:00.6
11377	M1O	04-003/07:41:19.4		NOTE: Periapsis 9108 ----------		04-003/07:31:54.6
11378	M1O	04-003/08:07:42.0		NOTE: Enter Solar Eclipse 9108		04-003/07:58:17.1
11379	M1O	04-003/08:08:43.2		NOTE: Ascending Node Crossing 9108		04-003/07:59:18.3
11380	M1O	04-003/08:28:20.9		SPAWN, Engine = 65535, Parameters = 3, 00:32:54.242, 1	dpt	04-003/08:18:56.0
11381	M1O	04-003/08:28:23.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-003/08:18:58.1
11382	M1O	04-003/08:28:23.0	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11383	M1O	04-003/08:28:24.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-003/08:18:59.1
11384	M1O	04-003/08:28:44.0		NOTE: Exit Solar Eclipse 9108		04-003/08:19:19.0
11385	M1O	04-003/08:29:22.9		NOTE: ENTER HGA KEEP OUT ZONE		
11386	M1O	04-003/08:29:22.9	34	NOTE: Loss Of X-Band Signal		
11387	M1O	04-003/08:36:41.7		NOTE: Enter Planetary Atmosphere 9108		04-003/08:27:16.7
11388	M1O	04-003/08:38:18.4		NOTE: Enter Earth Occultation 9108		04-003/08:28:53.4
11389	M1O	04-003/08:38:39.1		NOTE: North Pole Crossing 9108		04-003/08:29:14.1
11390	M1O	04-003/08:41:23.2		NOTE: Apoapsis 9108 -		04-003/08:31:58.2
11391	M1O	04-003/08:48:43.0		NOTE: EXIT HGA KEEP OUT ZONE		
11392	M1O	04-003/08:56:17.2		NOTE: Exit Earth Occultation 9108		04-003/08:46:52.2
11393	M1O	04-003/08:56:17.2	34	Acquisition Of X-Band Signal		
11394	M1O	04-003/08:56:17.2	34	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11395	M1O	04-003/08:57:54.8		NOTE: Exit Planetary Atmosphere 9108		04-003/08:48:29.8
11396	M1O	04-003/09:01:17.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-003/08:51:52.3
11397	M1O	04-003/09:01:17.3	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11398	M1O	04-003/09:01:18.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-003/08:51:53.3
11399	M1O	04-003/09:08:39.8		NOTE: Descending Node Crossing 9109		04-003/08:59:14.7
11400	M1O	04-003/09:38:01.3		NOTE: South Pole Crossing 9109		04-003/09:28:36.1
11401	M1O	04-003/09:40:01.3		NOTE: Periapsis 9109 ----------		04-003/09:30:36.1
11402	M1O	04-003/10:06:14.4		NOTE: Enter Solar Eclipse 9109		04-003/09:56:49.2
11403	M1O	04-003/10:07:17.9		NOTE: Ascending Node Crossing 9109		04-003/09:57:52.7
11404	M1O	04-003/10:11:50.2		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-003/10:02:25.0
11405	M1O	04-003/10:12:06.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-001T10:02:25.100, 2004-003T10:02:25.100	PCKTS_RE_TX_TIME	04-003/10:02:40.8
11406	M1O	04-003/10:12:07.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-001T10:02:25.100, 2004-003T10:02:25.100	PCKTS_RE_TX_TIME	04-003/10:02:41.8
11407	M1O	04-003/10:12:08.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-001T10:02:25.100, 2004-003T10:02:25.100	PCKTS_RE_TX_TIME	04-003/10:02:42.8
11408	M1O	04-003/10:12:09.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-001T10:02:25.100, 2004-003T10:02:25.100	PCKTS_RE_TX_TIME	04-003/10:02:43.8
11409	M1O	04-003/10:12:10.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-001T10:02:25.100, 2004-003T10:02:25.100	PCKTS_RE_TX_TIME	04-003/10:02:44.8
11410	M1O	04-003/10:12:11.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-001T10:02:25.100, 2004-003T10:02:25.100	PCKTS_RE_TX_TIME	04-003/10:02:45.8
11411	M1O	04-003/10:12:11.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-003/10:02:45.8
11412	M1O	04-003/10:12:11.0	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11413	M1O	04-003/10:19:12.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-003/10:09:46.8
11414	M1O	04-003/10:19:12.0	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11415	M1O	04-003/10:19:13.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-003/10:09:47.8
11416	M1O	04-003/10:19:29.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-003/10:10:03.8
11417	M1O	04-003/10:19:29.0	34	D/L RF Warning: SC antenna change - expect signal level variation		
11418	M1O	04-003/10:19:30.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-003/10:10:04.8
11419	M1O	04-003/10:20:00.0	34	End Tracking		
11420	M1O	04-003/10:27:20.6		NOTE: Exit Solar Eclipse 9109		04-003/10:17:55.3
11421	M1O	04-003/10:27:59.3		NOTE: ENTER HGA KEEP OUT ZONE		
11422	M1O	04-003/10:35:00.0	34	End Post-Cal		
11423	M1O	04-003/10:35:12.8		NOTE: Enter Planetary Atmosphere 9109		04-003/10:25:47.5
11424	M1O	04-003/10:36:49.0		NOTE: Enter Earth Occultation 9109		04-003/10:27:23.7
11425	M1O	04-003/10:37:13.6		NOTE: North Pole Crossing 9109		04-003/10:27:48.3
11426	M1O	04-003/10:39:51.2		NOTE: Apoapsis 9109 -		04-003/10:30:25.8
11427	M1O	04-003/10:45:39.3		SPAWN, Engine = 65535, Parameters = 003, 02, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-003/10:36:14.0
11428	M1O	04-003/10:45:40.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-003/10:36:15.1
11429	M1O	04-003/10:45:42.4		CALL, Engine = , Parameters = 56	get_cmd_opt	04-003/10:36:17.1
11430	M1O	04-003/10:45:42.7		CALL, Engine = , Parameters = 003, 02, 056	bld_autosw	04-003/10:36:17.4
11431	M1O	04-003/10:45:43.8		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-003/10:36:18.5
11432	M1O	04-003/10:45:44.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/10:36:19.6
11433	M1O	04-003/10:45:45.9		Deletes the designated file.: d:/dat/056_doy003_pass02_file01.dat	FILE_DELETE	04-003/10:36:20.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11434	M1O	04-003/10:45:47.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/10:36:21.7
11435	M1O	04-003/10:45:48.0		Deletes the designated file.: d:/dat/056_doy003_pass02_file02.dat	FILE_DELETE	04-003/10:36:22.7
11436	M1O	04-003/10:45:49.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/10:36:23.8
11437	M1O	04-003/10:45:50.1		Deletes the designated file.: d:/dat/056_doy003_pass02_file03.dat	FILE_DELETE	04-003/10:36:24.8
11438	M1O	04-003/10:45:51.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/10:36:25.9
11439	M1O	04-003/10:45:52.2		Deletes the designated file.: d:/dat/056_doy003_pass02_file04.dat	FILE_DELETE	04-003/10:36:26.9
11440	M1O	04-003/10:45:53.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/10:36:28.0
11441	M1O	04-003/10:45:54.3		Deletes the designated file.: d:/dat/056_doy003_pass02_file05.dat	FILE_DELETE	04-003/10:36:29.0
11442	M1O	04-003/10:45:55.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/10:36:30.1
11443	M1O	04-003/10:45:56.4		Deletes the designated file.: d:/dat/056_doy003_pass02_file06.dat	FILE_DELETE	04-003/10:36:31.1
11444	M1O	04-003/10:45:57.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/10:36:32.2
11445	M1O	04-003/10:45:58.5		Deletes the designated file.: d:/dat/056_doy003_pass02_file07.dat	FILE_DELETE	04-003/10:36:33.2
11446	M1O	04-003/10:45:59.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/10:36:34.3
11447	M1O	04-003/10:46:00.6		Deletes the designated file.: d:/dat/056_doy003_pass02_file08.dat	FILE_DELETE	04-003/10:36:35.3
11448	M1O	04-003/10:46:01.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/10:36:36.4
11449	M1O	04-003/10:46:02.7		Deletes the designated file.: d:/dat/056_doy003_pass02_file09.dat	FILE_DELETE	04-003/10:36:37.4
11450	M1O	04-003/10:46:03.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/10:36:38.5
11451	M1O	04-003/10:46:04.8		Deletes the designated file.: d:/dat/056_doy003_pass02_file10.dat	FILE_DELETE	04-003/10:36:39.5
11452	M1O	04-003/10:46:05.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/10:36:40.6
11453	M1O	04-003/10:46:06.9		Deletes the designated file.: d:/dat/056_doy003_pass02_file11.dat	FILE_DELETE	04-003/10:36:41.6
11454	M1O	04-003/10:46:08.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/10:36:42.7
11455	M1O	04-003/10:46:09.0		Deletes the designated file.: d:/dat/056_doy003_pass02_file12.dat	FILE_DELETE	04-003/10:36:43.7
11456	M1O	04-003/10:46:10.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/10:36:44.8
11457	M1O	04-003/10:46:11.1		Deletes the designated file.: d:/dat/056_doy003_pass02_file13.dat	FILE_DELETE	04-003/10:36:45.8
11458	M1O	04-003/10:46:12.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/10:36:46.9
11459	M1O	04-003/10:46:13.2		Deletes the designated file.: d:/dat/056_doy003_pass02_file14.dat	FILE_DELETE	04-003/10:36:47.9
11460	M1O	04-003/10:46:14.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/10:36:49.0
11461	M1O	04-003/10:46:15.3		Deletes the designated file.: d:/dat/056_doy003_pass02_file15.dat	FILE_DELETE	04-003/10:36:50.0
11462	M1O	04-003/10:46:16.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/10:36:51.1
11463	M1O	04-003/10:46:17.4		Deletes the designated file.: d:/dat/056_doy003_pass02_file16.dat	FILE_DELETE	04-003/10:36:52.1
11464	M1O	04-003/10:46:18.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/10:36:53.2
11465	M1O	04-003/10:46:19.5		Deletes the designated file.: d:/dat/056_doy003_pass02_file17.dat	FILE_DELETE	04-003/10:36:54.2
11466	M1O	04-003/10:46:20.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/10:36:55.3
11467	M1O	04-003/10:46:21.6		Deletes the designated file.: d:/dat/056_doy003_pass02_file18.dat	FILE_DELETE	04-003/10:36:56.3
11468	M1O	04-003/10:46:22.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/10:36:57.4
11469	M1O	04-003/10:46:23.7		Deletes the designated file.: d:/dat/056_doy003_pass02_file19.dat	FILE_DELETE	04-003/10:36:58.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11470	M1O	04-003/10:46:24.7		CALL, Engine = , Parameters = 56	get_apid	04-003/10:36:59.4
11471	M1O	04-003/10:46:25.8		CALL, Engine = , Parameters = 56	get_rcv_mode	04-003/10:37:00.5
11472	M1O	04-003/10:46:26.0		CALL, Engine = , Parameters = 56	get_dl_rate	04-003/10:37:00.7
11473	M1O	04-003/10:46:27.1		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-003/10:37:01.8
11474	M1O	04-003/10:46:28.3		CALL, Engine = , Parameters = 56	get_coding	04-003/10:37:03.0
11475	M1O	04-003/10:46:29.5		CALL, Engine = , Parameters = 56	get_xmt_mode	04-003/10:37:04.2
11476	M1O	04-003/10:46:30.7		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-003/10:37:05.4
11477	M1O	04-003/10:47:19.3		NOTE: EXIT HGA KEEP OUT ZONE		
11478	M1O	04-003/10:47:35.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-003/10:38:10.2
11479	M1O	04-003/10:47:36.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-003/10:38:11.2
11480	M1O	04-003/10:47:37.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-003/10:38:12.2
11481	M1O	04-003/10:47:38.5		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-003/10:38:13.2
11482	M1O	04-003/10:47:39.5		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-003/10:38:14.2
11483	M1O	04-003/10:47:40.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-003/10:38:15.2
11484	M1O	04-003/10:47:41.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/10:38:16.2
11485	M1O	04-003/10:48:31.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-003/10:39:06.2
11486	M1O	04-003/10:48:41.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-003/10:39:16.2
11487	M1O	04-003/10:50:42.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/10:41:17.2
11488	M1O	04-003/10:50:43.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/10:41:18.2
11489	M1O	04-003/10:52:42.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/10:43:17.2
11490	M1O	04-003/10:52:43.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/10:43:18.2
11491	M1O	04-003/10:54:42.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/10:45:17.2
11492	M1O	04-003/10:54:43.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/10:45:18.2
11493	M1O	04-003/10:54:53.9		NOTE: Exit Earth Occultation 9109		04-003/10:45:28.5
11494	M1O	04-003/10:56:31.2		NOTE: Exit Planetary Atmosphere 9109		04-003/10:47:05.8
11495	M1O	04-003/10:56:42.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/10:47:17.2
11496	M1O	04-003/10:56:43.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/10:47:18.2
11497	M1O	04-003/10:58:42.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/10:49:17.2
11498	M1O	04-003/10:58:43.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/10:49:18.2
11499	M1O	04-003/11:00:42.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/10:51:17.2
11500	M1O	04-003/11:00:43.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/10:51:18.2
11501	M1O	04-003/11:02:42.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/10:53:17.2
11502	M1O	04-003/11:02:43.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/10:53:18.2
11503	M1O	04-003/11:04:42.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/10:55:17.2
11504	M1O	04-003/11:04:43.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	04-003/10:55:18.2

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				BYPASS_COD, PSK		
11505	M1O	04-003/11:06:42.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/10:57:17.2
11506	M1O	04-003/11:06:43.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/10:57:18.2
11507	M1O	04-003/11:07:14.0		NOTE: Descending Node Crossing 9110		04-003/10:57:48.5
11508	M1O	04-003/11:08:42.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/10:59:17.2
11509	M1O	04-003/11:08:43.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/10:59:18.2
11510	M1O	04-003/11:10:42.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/11:01:17.2
11511	M1O	04-003/11:10:43.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/11:01:18.2
11512	M1O	04-003/11:12:42.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/11:03:17.2
11513	M1O	04-003/11:12:43.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/11:03:18.2
11514	M1O	04-003/11:14:42.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/11:05:17.2
11515	M1O	04-003/11:14:43.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/11:05:18.2
11516	M1O	04-003/11:16:42.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/11:07:17.2
11517	M1O	04-003/11:16:43.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/11:07:18.2
11518	M1O	04-003/11:18:42.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/11:09:17.2
11519	M1O	04-003/11:18:43.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/11:09:18.2
11520	M1O	04-003/11:19:39.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/11:10:14.2
11521	M1O	04-003/11:19:40.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-003/11:10:15.3
11522	M1O	04-003/11:19:50.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-003/11:10:25.3
11523	M1O	04-003/11:19:51.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-003/11:10:26.3
11524	M1O	04-003/11:19:52.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-003/11:10:27.3
11525	M1O	04-003/11:19:53.7		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-003/11:10:28.3
11526	M1O	04-003/11:36:34.3		NOTE: South Pole Crossing 9110		04-003/11:27:08.8
11527	M1O	04-003/11:38:16.6		NOTE: Periapsis 9110 ----------		04-003/11:28:51.1
11528	M1O	04-003/12:04:46.3		NOTE: Enter Solar Eclipse 9110		04-003/11:55:20.7
11529	M1O	04-003/12:05:50.2		NOTE: Ascending Node Crossing 9110		04-003/11:56:24.6
11530	M1O	04-003/12:25:54.7		NOTE: Exit Solar Eclipse 9110		04-003/12:16:29.0
11531	M1O	04-003/12:26:33.6		NOTE: ENTER HGA KEEP OUT ZONE		
11532	M1O	04-003/12:33:41.1		NOTE: Enter Planetary Atmosphere 9110		04-003/12:24:15.4
11533	M1O	04-003/12:35:16.9		NOTE: Enter Earth Occultation 9110		04-003/12:25:51.2
11534	M1O	04-003/12:35:45.5		NOTE: North Pole Crossing 9110		04-003/12:26:19.8
11535	M1O	04-003/12:38:04.8		NOTE: Apoapsis 9110 -		04-003/12:28:39.1
11536	M1O	04-003/12:45:53.7		NOTE: EXIT HGA KEEP OUT ZONE		
11537	M1O	04-003/12:51:20.7		SPAWN, Engine = 65535, Parameters = 003, 03, TRUE, 00:14:28.765, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-003/12:41:55.0
11538	M1O	04-003/12:51:21.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-003/12:41:56.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11539	M1O	04-003/12:51:23.8		CALL, Engine = , Parameters = 56	get_cmd_opt	04-003/12:41:58.1
11540	M1O	04-003/12:51:24.1		CALL, Engine = , Parameters = 003, 03, 056	bld_autosw	04-003/12:41:58.4
11541	M1O	04-003/12:51:25.2		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-003/12:41:59.5
11542	M1O	04-003/12:51:26.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/12:42:00.6
11543	M1O	04-003/12:51:27.3		Deletes the designated file.: d:/dat/056_doy003_pass03_file01.dat	FILE_DELETE	04-003/12:42:01.6
11544	M1O	04-003/12:51:28.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/12:42:02.7
11545	M1O	04-003/12:51:29.4		Deletes the designated file.: d:/dat/056_doy003_pass03_file02.dat	FILE_DELETE	04-003/12:42:03.7
11546	M1O	04-003/12:51:30.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/12:42:04.8
11547	M1O	04-003/12:51:31.5		Deletes the designated file.: d:/dat/056_doy003_pass03_file03.dat	FILE_DELETE	04-003/12:42:05.8
11548	M1O	04-003/12:51:32.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/12:42:06.9
11549	M1O	04-003/12:51:33.6		Deletes the designated file.: d:/dat/056_doy003_pass03_file04.dat	FILE_DELETE	04-003/12:42:07.9
11550	M1O	04-003/12:51:34.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/12:42:09.0
11551	M1O	04-003/12:51:35.7		Deletes the designated file.: d:/dat/056_doy003_pass03_file05.dat	FILE_DELETE	04-003/12:42:10.0
11552	M1O	04-003/12:51:36.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/12:42:11.1
11553	M1O	04-003/12:51:37.8		Deletes the designated file.: d:/dat/056_doy003_pass03_file06.dat	FILE_DELETE	04-003/12:42:12.1
11554	M1O	04-003/12:51:38.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/12:42:13.2
11555	M1O	04-003/12:51:39.9		Deletes the designated file.: d:/dat/056_doy003_pass03_file07.dat	FILE_DELETE	04-003/12:42:14.2
11556	M1O	04-003/12:51:41.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/12:42:15.3
11557	M1O	04-003/12:51:42.0		Deletes the designated file.: d:/dat/056_doy003_pass03_file08.dat	FILE_DELETE	04-003/12:42:16.3
11558	M1O	04-003/12:51:43.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/12:42:17.4
11559	M1O	04-003/12:51:44.1		Deletes the designated file.: d:/dat/056_doy003_pass03_file09.dat	FILE_DELETE	04-003/12:42:18.4
11560	M1O	04-003/12:51:45.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/12:42:19.5
11561	M1O	04-003/12:51:46.2		Deletes the designated file.: d:/dat/056_doy003_pass03_file10.dat	FILE_DELETE	04-003/12:42:20.5
11562	M1O	04-003/12:51:47.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/12:42:21.6
11563	M1O	04-003/12:51:48.3		Deletes the designated file.: d:/dat/056_doy003_pass03_file11.dat	FILE_DELETE	04-003/12:42:22.6
11564	M1O	04-003/12:51:49.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/12:42:23.7
11565	M1O	04-003/12:51:50.4		Deletes the designated file.: d:/dat/056_doy003_pass03_file12.dat	FILE_DELETE	04-003/12:42:24.7
11566	M1O	04-003/12:51:51.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/12:42:25.8
11567	M1O	04-003/12:51:52.5		Deletes the designated file.: d:/dat/056_doy003_pass03_file13.dat	FILE_DELETE	04-003/12:42:26.8
11568	M1O	04-003/12:51:53.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/12:42:27.9
11569	M1O	04-003/12:51:54.6		Deletes the designated file.: d:/dat/056_doy003_pass03_file14.dat	FILE_DELETE	04-003/12:42:28.9
11570	M1O	04-003/12:51:55.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/12:42:30.0
11571	M1O	04-003/12:51:56.7		Deletes the designated file.: d:/dat/056_doy003_pass03_file15.dat	FILE_DELETE	04-003/12:42:31.0
11572	M1O	04-003/12:51:57.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/12:42:32.1
11573	M1O	04-003/12:51:58.8		Deletes the designated file.: d:/dat/056_doy003_pass03_file16.dat	FILE_DELETE	04-003/12:42:33.1
11574	M1O	04-003/12:51:59.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/12:42:34.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11575	M1O	04-003/12:52:00.9		Deletes the designated file.: d:/dat/056_doy003_pass03_file17.dat	FILE_DELETE	04-003/12:42:35.2
11576	M1O	04-003/12:52:02.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/12:42:36.3
11577	M1O	04-003/12:52:03.0		Deletes the designated file.: d:/dat/056_doy003_pass03_file18.dat	FILE_DELETE	04-003/12:42:37.3
11578	M1O	04-003/12:52:04.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/12:42:38.4
11579	M1O	04-003/12:52:05.1		Deletes the designated file.: d:/dat/056_doy003_pass03_file19.dat	FILE_DELETE	04-003/12:42:39.4
11580	M1O	04-003/12:52:06.1		CALL, Engine = , Parameters = 56	get_apid	04-003/12:42:40.4
11581	M1O	04-003/12:52:07.2		CALL, Engine = , Parameters = 56	get_rcv_mode	04-003/12:42:41.5
11582	M1O	04-003/12:52:07.4		CALL, Engine = , Parameters = 56	get_dl_rate	04-003/12:42:41.7
11583	M1O	04-003/12:52:08.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-003/12:42:42.8
11584	M1O	04-003/12:52:09.7		CALL, Engine = , Parameters = 56	get_coding	04-003/12:42:44.0
11585	M1O	04-003/12:52:10.9		CALL, Engine = , Parameters = 56	get_xmt_mode	04-003/12:42:45.2
11586	M1O	04-003/12:52:12.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-003/12:42:46.4
11587	M1O	04-003/12:53:16.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-003/12:43:51.2
11588	M1O	04-003/12:53:17.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-003/12:43:52.2
11589	M1O	04-003/12:53:18.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-003/12:43:53.2
11590	M1O	04-003/12:53:19.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-003/12:43:54.2
11591	M1O	04-003/12:53:20.9		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-003/12:43:55.2
11592	M1O	04-003/12:53:21.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-003/12:43:56.2
11593	M1O	04-003/12:53:22.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/12:43:57.2
11594	M1O	04-003/12:53:27.7		NOTE: Exit Earth Occultation 9110		04-003/12:44:02.0
11595	M1O	04-003/12:54:12.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-003/12:44:47.2
11596	M1O	04-003/12:54:22.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-003/12:44:57.2
11597	M1O	04-003/12:55:04.5		NOTE: Exit Planetary Atmosphere 9110		04-003/12:45:38.7
11598	M1O	04-003/12:56:23.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/12:46:58.2
11599	M1O	04-003/12:56:24.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/12:46:59.2
11600	M1O	04-003/12:58:23.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/12:48:58.2
11601	M1O	04-003/12:58:24.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/12:48:59.2
11602	M1O	04-003/13:00:23.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/12:50:58.2
11603	M1O	04-003/13:00:24.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/12:50:59.2
11604	M1O	04-003/13:02:23.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/12:52:58.2
11605	M1O	04-003/13:02:24.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/12:52:59.2
11606	M1O	04-003/13:04:23.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/12:54:58.2
11607	M1O	04-003/13:04:24.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/12:54:59.2
11608	M1O	04-003/13:05:44.9		NOTE: Descending Node Crossing 9111		04-003/12:56:19.1
11609	M1O	04-003/13:06:24.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/12:56:58.2
11610	M1O	04-003/13:06:25.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/12:56:59.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11611	M1O	04-003/13:07:49.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/12:58:23.9
11612	M1O	04-003/13:07:50.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-003/12:58:25.0
11613	M1O	04-003/13:08:00.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-003/12:58:35.0
11614	M1O	04-003/13:08:01.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-003/12:58:36.0
11615	M1O	04-003/13:08:02.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-003/12:58:37.0
11616	M1O	04-003/13:08:03.8		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-003/12:58:38.0
11617	M1O	04-003/13:35:05.3		NOTE: South Pole Crossing 9111		04-003/13:25:39.4
11618	M1O	04-003/13:36:32.4		NOTE: Periapsis 9111 ----------		04-003/13:27:06.5
11619	M1O	04-003/14:03:19.0		NOTE: Enter Solar Eclipse 9111		04-003/13:53:53.0
11620	M1O	04-003/14:04:21.9		NOTE: Ascending Node Crossing 9111		04-003/13:54:55.9
11621	M1O	04-003/14:24:24.2		NOTE: Exit Solar Eclipse 9111		04-003/14:14:58.2
11622	M1O	04-003/14:25:05.0		NOTE: ENTER HGA KEEP OUT ZONE		
11623	M1O	04-003/14:32:14.7		NOTE: Enter Planetary Atmosphere 9111		04-003/14:22:48.7
11624	M1O	04-003/14:33:51.0		NOTE: Enter Earth Occultation 9111		04-003/14:24:24.9
11625	M1O	04-003/14:34:17.1		NOTE: North Pole Crossing 9111		04-003/14:24:51.0
11626	M1O	04-003/14:36:43.4		NOTE: Apoapsis 9111 -		04-003/14:27:17.3
11627	M1O	04-003/14:44:25.1		NOTE: EXIT HGA KEEP OUT ZONE		
11628	M1O	04-003/14:51:56.3		NOTE: Exit Earth Occultation 9111		04-003/14:42:30.2
11629	M1O	04-003/14:53:33.6		NOTE: Exit Planetary Atmosphere 9111		04-003/14:44:07.4
11630	M1O	04-003/15:04:16.4		NOTE: Descending Node Crossing 9112		04-003/14:54:50.2
11631	M1O	04-003/15:15:00.0	54	Begin Pre-Cal		
11632	M1O	04-003/15:15:00.0	54	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
11633	M1O	04-003/15:15:00.0	54	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
11634	M1O	04-003/15:15:00.0	54	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
11635	M1O	04-003/15:15:00.0	54	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
11636	M1O	04-003/15:15:00.0	54	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
11637	M1O	04-003/15:15:00.0	54	Config: RCV: Parms:		
11638	M1O	04-003/15:15:00.0	54	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
11639	M1O	04-003/15:15:00.0	54	Config: TGC: BAND=X, SR=79632.000000		
11640	M1O	04-003/15:15:00.0	54	Config: TXL		
11641	M1O	04-003/15:15:00.0	54	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
11642	M1O	04-003/15:15:00.0	54	Config: CMD		
11643	M1O	04-003/15:15:00.0	54	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
11644	M1O	04-003/15:33:37.6		NOTE: South Pole Crossing 9112		04-003/15:24:11.3
11645	M1O	04-003/15:35:06.7		NOTE: Periapsis 9112 ----------		04-003/15:25:40.4
11646	M1O	04-003/16:01:53.1		NOTE: Enter Solar Eclipse 9112		04-003/15:52:26.7
11647	M1O	04-003/16:02:55.2		NOTE: Ascending Node Crossing 9112		04-003/15:53:28.8
11648	M1O	04-003/16:22:52.3		NOTE: Exit Solar Eclipse 9112		04-003/16:13:25.9
11649	M1O	04-003/16:23:36.4		NOTE: ENTER HGA KEEP OUT ZONE		
11650	M1O	04-003/16:30:56.4		NOTE: Enter Planetary Atmosphere 9112		04-003/16:21:29.9
11651	M1O	04-003/16:32:33.7		NOTE: Enter Earth Occultation 9112		04-003/16:23:07.3
11652	M1O	04-003/16:32:51.7		NOTE: North Pole Crossing 9112		04-003/16:23:25.3
11653	M1O	04-003/16:35:17.6		NOTE: Apoapsis 9112 -		04-003/16:25:51.1
11654	M1O	04-003/16:42:36.4		NOTE: EXIT HGA KEEP OUT ZONE		
11655	M1O	04-003/16:45:00.0	54	Begin Tracking		
11656	M1O	04-003/16:46:00.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
11657	M1O	04-003/16:50:00.6		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-003/16:40:34.1
11658	M1O	04-003/16:50:00.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-003/16:40:34.2
11659	M1O	04-003/16:50:01.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-003/16:40:35.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11660	M1O	04-003/16:50:02.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-003/16:40:36.2
11661	M1O	04-003/16:50:03.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-003/16:40:37.2
11662	M1O	04-003/16:50:04.7		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-003/16:40:38.2
11663	M1O	04-003/16:50:14.7		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-003/16:40:48.2
11664	M1O	04-003/16:50:24.7		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-003/16:40:58.2
11665	M1O	04-003/16:50:25.6		NOTE: Exit Earth Occultation 9112		04-003/16:40:59.1
11666	M1O	04-003/16:50:25.6	54	Acquisition Of X-Band Signal		
11667	M1O	04-003/16:50:25.6	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11668	M1O	04-003/16:51:00.0	54	Range Modulation On: SUP=3.0dB		
11669	M1O	04-003/16:52:00.0	54	Begin Ranging Acquisition		
11670	M1O	04-003/16:52:03.9		NOTE: Exit Planetary Atmosphere 9112		04-003/16:42:37.4
11671	M1O	04-003/16:55:24.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-003/16:45:58.2
11672	M1O	04-003/16:55:25.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-003/16:45:59.2
11673	M1O	04-003/16:55:25.7	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11674	M1O	04-003/16:55:26.7		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-003/16:46:00.2
11675	M1O	04-003/17:02:52.5		NOTE: Descending Node Crossing 9113		04-003/16:53:26.0
11676	M1O	04-003/17:03:50.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-003/16:54:23.5
11677	M1O	04-003/17:03:52.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-003/16:54:25.6
11678	M1O	04-003/17:03:52.1	54	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11679	M1O	04-003/17:03:53.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-003/16:54:26.6
11680	M1O	04-003/17:04:52.9	54	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11681	M1O	04-003/17:09:52.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-003/17:00:25.6
11682	M1O	04-003/17:09:52.1	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11683	M1O	04-003/17:09:53.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-003/17:00:26.6
11684	M1O	04-003/17:32:13.7		NOTE: South Pole Crossing 9113		04-003/17:22:47.1
11685	M1O	04-003/17:33:47.6		NOTE: Periapsis 9113 ----------		04-003/17:24:21.0
11686	M1O	04-003/17:48:18.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
11687	M1O	04-003/17:58:18.0	54	Range Modulation Off		
11688	M1O	04-003/18:00:28.2		NOTE: Enter Solar Eclipse 9113		04-003/17:51:01.5
11689	M1O	04-003/18:01:30.9		NOTE: Ascending Node Crossing 9113		04-003/17:52:04.2
11690	M1O	04-003/18:03:18.0	54	X-Band Transmitter Off		
11691	M1O	04-003/18:21:09.3		SPAWN, Engine = 65535, Parameters = 3, 00:33:20, 1	dpt	04-003/18:11:42.6
11692	M1O	04-003/18:21:11.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-003/18:11:44.7
11693	M1O	04-003/18:21:11.4	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11694	M1O	04-003/18:21:12.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-003/18:11:45.7
11695	M1O	04-003/18:21:24.8		NOTE: Exit Solar Eclipse 9113		04-003/18:11:58.1
11696	M1O	04-003/18:22:11.4	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11697	M1O	04-003/18:22:12.7		NOTE: ENTER HGA KEEP OUT ZONE		
11698	M1O	04-003/18:22:12.7	54	NOTE: Loss Of X-Band Signal		
11699	M1O	04-003/18:29:36.4		NOTE: Enter Planetary Atmosphere 9113		04-003/18:20:09.6
11700	M1O	04-003/18:30:38.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
11701	M1O	04-003/18:31:14.2		NOTE: Enter Earth Occultation 9113		04-003/18:21:47.4
11702	M1O	04-003/18:31:28.2		NOTE: North Pole Crossing 9113		04-003/18:22:01.4
11703	M1O	04-003/18:33:45.6		NOTE: Apoapsis 9113 -		04-003/18:24:18.8
11704	M1O	04-003/18:35:38.0	54	Range Modulation On: SUP=3.0dB		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11705	M1O	04-003/18:36:38.0	54	Begin Ranging Acquisition		
11706	M1O	04-003/18:41:12.8		NOTE: EXIT HGA KEEP OUT ZONE		
11707	M1O	04-003/18:48:59.8		NOTE: Exit Earth Occultation 9113		04-003/18:39:32.9
11708	M1O	04-003/18:48:59.8	54	Acquisition Of X-Band Signal		
11709	M1O	04-003/18:48:59.8	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11710	M1O	04-003/18:49:31.6	54	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11711	M1O	04-003/18:50:38.6		NOTE: Exit Planetary Atmosphere 9113		04-003/18:41:11.8
11712	M1O	04-003/18:54:31.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-003/18:45:04.7
11713	M1O	04-003/18:54:31.5	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11714	M1O	04-003/18:54:32.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-003/18:45:05.7
11715	M1O	04-003/19:01:29.8		NOTE: Descending Node Crossing 9114		04-003/18:52:02.9
11716	M1O	04-003/19:30:50.8		NOTE: South Pole Crossing 9114		04-003/19:21:23.9
11717	M1O	04-003/19:32:21.6		NOTE: Periapsis 9114 ----------		04-003/19:22:54.6
11718	M1O	04-003/19:46:55.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
11719	M1O	04-003/19:56:55.0	54	Range Modulation Off		
11720	M1O	04-003/19:59:04.7		NOTE: Enter Solar Eclipse 9114		04-003/19:49:37.6
11721	M1O	04-003/20:00:07.8		NOTE: Ascending Node Crossing 9114		04-003/19:50:40.7
11722	M1O	04-003/20:01:55.0	54	X-Band Transmitter Off		
11723	M1O	04-003/20:19:46.7		SPAWN, Engine = 65535, Parameters = 3, 00:33:20, 1	dpt	04-003/20:10:19.6
11724	M1O	04-003/20:19:48.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-003/20:10:21.7
11725	M1O	04-003/20:19:48.8	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11726	M1O	04-003/20:19:49.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-003/20:10:22.7
11727	M1O	04-003/20:20:01.6		NOTE: Exit Solar Eclipse 9114		04-003/20:10:34.5
11728	M1O	04-003/20:20:49.1	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11729	M1O	04-003/20:20:50.1		NOTE: ENTER HGA KEEP OUT ZONE		
11730	M1O	04-003/20:20:50.1	54	NOTE: Loss Of X-Band Signal		
11731	M1O	04-003/20:28:11.3		NOTE: Enter Planetary Atmosphere 9114		04-003/20:18:44.1
11732	M1O	04-003/20:29:15.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
11733	M1O	04-003/20:29:48.8		NOTE: Enter Earth Occultation 9114		04-003/20:20:21.7
11734	M1O	04-003/20:30:04.7		NOTE: North Pole Crossing 9114		04-003/20:20:37.5
11735	M1O	04-003/20:32:07.3		NOTE: Apoapsis 9114 -		04-003/20:22:40.1
11736	M1O	04-003/20:34:15.0	54	Range Modulation On: SUP=3.0dB		
11737	M1O	04-003/20:35:15.0	54	Begin Ranging Acquisition		
11738	M1O	04-003/20:39:50.2		NOTE: EXIT HGA KEEP OUT ZONE		
11739	M1O	04-003/20:47:37.5		NOTE: Exit Earth Occultation 9114		04-003/20:38:10.2
11740	M1O	04-003/20:47:37.5	54	Acquisition Of X-Band Signal		
11741	M1O	04-003/20:47:37.5	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11742	M1O	04-003/20:48:09.3	54	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11743	M1O	04-003/20:49:16.1		NOTE: Exit Planetary Atmosphere 9114		04-003/20:39:48.8
11744	M1O	04-003/20:53:08.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-003/20:43:41.7
11745	M1O	04-003/20:53:08.9	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11746	M1O	04-003/20:53:09.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-003/20:43:42.7
11747	M1O	04-003/21:00:05.7		NOTE: Descending Node Crossing 9115		04-003/20:50:38.4
11748	M1O	04-003/21:29:26.9		NOTE: South Pole Crossing 9115		04-003/21:19:59.5
11749	M1O	04-003/21:30:55.8		NOTE: Periapsis 9115 ----------		04-003/21:21:28.5
11750	M1O	04-003/21:45:30.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
11751	M1O	04-003/21:55:30.0	54	Range Modulation Off		
11752	M1O	04-003/21:57:40.8		NOTE: Enter Solar Eclipse 9115		04-003/21:48:13.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11753	M1O	04-003/21:58:44.0		NOTE: Ascending Node Crossing 9115		04-003/21:49:16.5
11754	M1O	04-003/21:59:05.4		SPAWN, Engine = 65535, Parameters = 003, 04, TRUE, 00:06:21.385, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-003/21:49:38.0
11755	M1O	04-003/21:59:05.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-003/21:49:38.5
11756	M1O	04-003/21:59:05.9	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11757	M1O	04-003/21:59:06.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-003/21:49:39.1
11758	M1O	04-003/21:59:08.5		CALL, Engine = , Parameters = 56	get_cmd_opt	04-003/21:49:41.1
11759	M1O	04-003/21:59:08.8		CALL, Engine = , Parameters = 003, 04, 056	bld_autosw	04-003/21:49:41.4
11760	M1O	04-003/21:59:09.9		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-003/21:49:42.5
11761	M1O	04-003/21:59:11.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/21:49:43.6
11762	M1O	04-003/21:59:12.0		Deletes the designated file.: d:/dat/056_doy003_pass04_file01.dat	FILE_DELETE	04-003/21:49:44.6
11763	M1O	04-003/21:59:13.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/21:49:45.7
11764	M1O	04-003/21:59:14.1		Deletes the designated file.: d:/dat/056_doy003_pass04_file02.dat	FILE_DELETE	04-003/21:49:46.7
11765	M1O	04-003/21:59:15.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/21:49:47.8
11766	M1O	04-003/21:59:16.2		Deletes the designated file.: d:/dat/056_doy003_pass04_file03.dat	FILE_DELETE	04-003/21:49:48.8
11767	M1O	04-003/21:59:17.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/21:49:49.9
11768	M1O	04-003/21:59:18.3		Deletes the designated file.: d:/dat/056_doy003_pass04_file04.dat	FILE_DELETE	04-003/21:49:50.9
11769	M1O	04-003/21:59:19.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/21:49:52.0
11770	M1O	04-003/21:59:20.4		Deletes the designated file.: d:/dat/056_doy003_pass04_file05.dat	FILE_DELETE	04-003/21:49:53.0
11771	M1O	04-003/21:59:21.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/21:49:54.1
11772	M1O	04-003/21:59:22.5		Deletes the designated file.: d:/dat/056_doy003_pass04_file06.dat	FILE_DELETE	04-003/21:49:55.1
11773	M1O	04-003/21:59:23.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/21:49:56.2
11774	M1O	04-003/21:59:24.6		Deletes the designated file.: d:/dat/056_doy003_pass04_file07.dat	FILE_DELETE	04-003/21:49:57.2
11775	M1O	04-003/21:59:25.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/21:49:58.3
11776	M1O	04-003/21:59:26.7		Deletes the designated file.: d:/dat/056_doy003_pass04_file08.dat	FILE_DELETE	04-003/21:49:59.3
11777	M1O	04-003/21:59:27.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/21:50:00.4
11778	M1O	04-003/21:59:28.8		Deletes the designated file.: d:/dat/056_doy003_pass04_file09.dat	FILE_DELETE	04-003/21:50:01.4
11779	M1O	04-003/21:59:29.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/21:50:02.5
11780	M1O	04-003/21:59:30.9		Deletes the designated file.: d:/dat/056_doy003_pass04_file10.dat	FILE_DELETE	04-003/21:50:03.5
11781	M1O	04-003/21:59:32.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/21:50:04.6
11782	M1O	04-003/21:59:33.0		Deletes the designated file.: d:/dat/056_doy003_pass04_file11.dat	FILE_DELETE	04-003/21:50:05.6
11783	M1O	04-003/21:59:34.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/21:50:06.7
11784	M1O	04-003/21:59:35.1		Deletes the designated file.: d:/dat/056_doy003_pass04_file12.dat	FILE_DELETE	04-003/21:50:07.7
11785	M1O	04-003/21:59:36.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/21:50:08.8
11786	M1O	04-003/21:59:37.2		Deletes the designated file.: d:/dat/056_doy003_pass04_file13.dat	FILE_DELETE	04-003/21:50:09.8
11787	M1O	04-003/21:59:38.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/21:50:10.9
11788	M1O	04-003/21:59:39.3		Deletes the designated file.: d:/dat/056_doy003_pass04_file14.dat	FILE_DELETE	04-003/21:50:11.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11789	M1O	04-003/21:59:40.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/21:50:13.0
11790	M1O	04-003/21:59:41.4		Deletes the designated file.: d:/dat/056_doy003_pass04_file15.dat	FILE_DELETE	04-003/21:50:14.0
11791	M1O	04-003/21:59:42.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/21:50:15.1
11792	M1O	04-003/21:59:43.5		Deletes the designated file.: d:/dat/056_doy003_pass04_file16.dat	FILE_DELETE	04-003/21:50:16.1
11793	M1O	04-003/21:59:44.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/21:50:17.2
11794	M1O	04-003/21:59:45.6		Deletes the designated file.: d:/dat/056_doy003_pass04_file17.dat	FILE_DELETE	04-003/21:50:18.2
11795	M1O	04-003/21:59:46.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/21:50:19.3
11796	M1O	04-003/21:59:47.7		Deletes the designated file.: d:/dat/056_doy003_pass04_file18.dat	FILE_DELETE	04-003/21:50:20.3
11797	M1O	04-003/21:59:48.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/21:50:21.4
11798	M1O	04-003/21:59:49.8		Deletes the designated file.: d:/dat/056_doy003_pass04_file19.dat	FILE_DELETE	04-003/21:50:22.4
11799	M1O	04-003/21:59:50.8		CALL, Engine = , Parameters = 56	get_apid	04-003/21:50:23.4
11800	M1O	04-003/21:59:51.9		CALL, Engine = , Parameters = 56	get_rcv_mode	04-003/21:50:24.5
11801	M1O	04-003/21:59:52.1		CALL, Engine = , Parameters = 56	get_dl_rate	04-003/21:50:24.7
11802	M1O	04-003/21:59:53.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-003/21:50:25.8
11803	M1O	04-003/21:59:54.4		CALL, Engine = , Parameters = 56	get_coding	04-003/21:50:27.0
11804	M1O	04-003/21:59:55.6		CALL, Engine = , Parameters = 56	get_xmt_mode	04-003/21:50:28.2
11805	M1O	04-003/21:59:56.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-003/21:50:29.4
11806	M1O	04-003/22:00:30.0	54	X-Band Transmitter Off		
11807	M1O	04-003/22:01:01.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-003/21:51:34.2
11808	M1O	04-003/22:01:02.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-003/21:51:35.2
11809	M1O	04-003/22:01:03.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-003/21:51:36.2
11810	M1O	04-003/22:01:04.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-003/21:51:37.2
11811	M1O	04-003/22:01:05.6		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-003/21:51:38.2
11812	M1O	04-003/22:01:06.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-003/21:51:39.2
11813	M1O	04-003/22:01:07.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/21:51:40.2
11814	M1O	04-003/22:01:57.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-003/21:52:30.2
11815	M1O	04-003/22:02:07.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-003/21:52:40.2
11816	M1O	04-003/22:04:08.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/21:54:41.2
11817	M1O	04-003/22:04:09.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/21:54:42.2
11818	M1O	04-003/22:06:08.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/21:56:41.2
11819	M1O	04-003/22:06:09.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/21:56:42.2
11820	M1O	04-003/22:07:27.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/21:57:59.5
11821	M1O	04-003/22:07:28.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-003/21:58:00.6
11822	M1O	04-003/22:07:38.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-003/21:58:10.6
11823	M1O	04-003/22:07:39.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-003/21:58:11.6
11824	M1O	04-003/22:07:40.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-003/21:58:12.6
11825	M1O	04-003/22:07:40.1	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11826	M1O	04-003/22:07:41.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-003/21:58:13.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11827	M1O	04-003/22:12:39.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-003/22:03:12.3
11828	M1O	04-003/22:12:39.8	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11829	M1O	04-003/22:18:22.1		SPAWN, Engine = 65535, Parameters = 3, 00:33:23, 1	dpt	04-003/22:08:54.6
11830	M1O	04-003/22:18:24.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-003/22:08:56.7
11831	M1O	04-003/22:18:24.2	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11832	M1O	04-003/22:18:25.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-003/22:08:57.7
11833	M1O	04-003/22:18:40.5		NOTE: Exit Solar Eclipse 9115		04-003/22:09:13.0
11834	M1O	04-003/22:19:24.9	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11835	M1O	04-003/22:19:25.5		NOTE: ENTER HGA KEEP OUT ZONE		
11836	M1O	04-003/22:19:25.5	54	NOTE: Loss Of X-Band Signal		
11837	M1O	04-003/22:26:40.8		NOTE: Enter Planetary Atmosphere 9115		04-003/22:17:13.3
11838	M1O	04-003/22:27:53.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
11839	M1O	04-003/22:28:17.7		NOTE: Enter Earth Occultation 9115		04-003/22:18:50.1
11840	M1O	04-003/22:28:39.7		NOTE: North Pole Crossing 9115		04-003/22:19:12.2
11841	M1O	04-003/22:30:38.0		NOTE: Apoapsis 9115 -		04-003/22:21:10.4
11842	M1O	04-003/22:32:53.0	54	Range Modulation On: SUP=3.0dB		
11843	M1O	04-003/22:33:53.0	54	Begin Ranging Acquisition		
11844	M1O	04-003/22:38:25.5		NOTE: EXIT HGA KEEP OUT ZONE		
11845	M1O	04-003/22:46:15.5		NOTE: Exit Earth Occultation 9115		04-003/22:36:47.9
11846	M1O	04-003/22:46:15.5	54	Acquisition Of X-Band Signal		
11847	M1O	04-003/22:46:15.5	54	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11848	M1O	04-003/22:46:48.0	54	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11849	M1O	04-003/22:47:53.3		NOTE: Exit Planetary Atmosphere 9115		04-003/22:38:25.7
11850	M1O	04-003/22:51:05.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
11851	M1O	04-003/22:51:47.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-003/22:42:19.7
11852	M1O	04-003/22:51:47.3	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11853	M1O	04-003/22:51:48.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-003/22:42:20.7
11854	M1O	04-003/22:58:39.3		NOTE: Descending Node Crossing 9116		04-003/22:49:11.7
11855	M1O	04-003/23:01:05.0	54	Range Modulation Off		
11856	M1O	04-003/23:06:04.6	54	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
11857	M1O	04-003/23:06:05.0	54	X-Band Transmitter Off		
11858	M1O	04-003/23:16:48.6		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-003/23:07:21.0
11859	M1O	04-003/23:17:04.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-001T23:07:21.100, 2004-003T23:07:21.100	PCKTS_RE_TX_TIME	04-003/23:07:36.8
11860	M1O	04-003/23:17:05.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-001T23:07:21.100, 2004-003T23:07:21.100	PCKTS_RE_TX_TIME	04-003/23:07:37.8
11861	M1O	04-003/23:17:06.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-001T23:07:21.100, 2004-003T23:07:21.100	PCKTS_RE_TX_TIME	04-003/23:07:38.8
11862	M1O	04-003/23:17:07.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-001T23:07:21.100, 2004-003T23:07:21.100	PCKTS_RE_TX_TIME	04-003/23:07:39.8
11863	M1O	04-003/23:17:08.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-001T23:07:21.100, 2004-003T23:07:21.100	PCKTS_RE_TX_TIME	04-003/23:07:40.8
11864	M1O	04-003/23:17:09.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-001T23:07:21.100, 2004-003T23:07:21.100	PCKTS_RE_TX_TIME	04-003/23:07:41.8
11865	M1O	04-003/23:17:09.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-003/23:07:41.8
11866	M1O	04-003/23:17:09.4	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11867	M1O	04-003/23:24:10.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-003/23:14:42.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11868	M1O	04-003/23:24:10.5	54	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
11869	M1O	04-003/23:24:11.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-003/23:14:43.8
11870	M1O	04-003/23:24:27.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-003/23:14:59.8
11871	M1O	04-003/23:24:27.5	54	D/L RF Warning: SC antenna change - expect signal level variation		
11872	M1O	04-003/23:24:28.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-003/23:15:00.8
11873	M1O	04-003/23:25:00.0	54	End Tracking		
11874	M1O	04-003/23:28:00.3		NOTE: South Pole Crossing 9116		04-003/23:18:32.5
11875	M1O	04-003/23:29:32.1		NOTE: Periapsis 9116 ----------		04-003/23:20:04.3
11876	M1O	04-003/23:40:00.0	54	End Post-Cal		
11877	M1O	04-003/23:42:55.7		SPAWN, Engine = 65535, Parameters = 003, 05, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-003/23:33:28.0
11878	M1O	04-003/23:42:56.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-003/23:33:29.1
11879	M1O	04-003/23:42:58.8		CALL, Engine = , Parameters = 56	get_cmd_opt	04-003/23:33:31.1
11880	M1O	04-003/23:42:59.1		CALL, Engine = , Parameters = 003, 05, 056	bld_autosw	04-003/23:33:31.4
11881	M1O	04-003/23:43:00.2		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-003/23:33:32.5
11882	M1O	04-003/23:43:01.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass05_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/23:33:33.6
11883	M1O	04-003/23:43:02.3		Deletes the designated file.: d:/dat/056_doy003_pass05_file01.dat	FILE_DELETE	04-003/23:33:34.6
11884	M1O	04-003/23:43:03.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass05_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/23:33:35.7
11885	M1O	04-003/23:43:04.4		Deletes the designated file.: d:/dat/056_doy003_pass05_file02.dat	FILE_DELETE	04-003/23:33:36.7
11886	M1O	04-003/23:43:05.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass05_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/23:33:37.8
11887	M1O	04-003/23:43:06.5		Deletes the designated file.: d:/dat/056_doy003_pass05_file03.dat	FILE_DELETE	04-003/23:33:38.8
11888	M1O	04-003/23:43:07.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass05_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/23:33:39.9
11889	M1O	04-003/23:43:08.6		Deletes the designated file.: d:/dat/056_doy003_pass05_file04.dat	FILE_DELETE	04-003/23:33:40.9
11890	M1O	04-003/23:43:09.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass05_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/23:33:42.0
11891	M1O	04-003/23:43:10.7		Deletes the designated file.: d:/dat/056_doy003_pass05_file05.dat	FILE_DELETE	04-003/23:33:43.0
11892	M1O	04-003/23:43:11.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass05_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/23:33:44.1
11893	M1O	04-003/23:43:12.8		Deletes the designated file.: d:/dat/056_doy003_pass05_file06.dat	FILE_DELETE	04-003/23:33:45.1
11894	M1O	04-003/23:43:13.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass05_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/23:33:46.2
11895	M1O	04-003/23:43:14.9		Deletes the designated file.: d:/dat/056_doy003_pass05_file07.dat	FILE_DELETE	04-003/23:33:47.2
11896	M1O	04-003/23:43:16.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass05_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/23:33:48.3
11897	M1O	04-003/23:43:17.0		Deletes the designated file.: d:/dat/056_doy003_pass05_file08.dat	FILE_DELETE	04-003/23:33:49.3
11898	M1O	04-003/23:43:18.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass05_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/23:33:50.4
11899	M1O	04-003/23:43:19.1		Deletes the designated file.: d:/dat/056_doy003_pass05_file09.dat	FILE_DELETE	04-003/23:33:51.4
11900	M1O	04-003/23:43:20.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass05_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/23:33:52.5
11901	M1O	04-003/23:43:21.2		Deletes the designated file.: d:/dat/056_doy003_pass05_file10.dat	FILE_DELETE	04-003/23:33:53.5
11902	M1O	04-003/23:43:22.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass05_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/23:33:54.6
11903	M1O	04-003/23:43:23.3		Deletes the designated file.: d:/dat/056_doy003_pass05_file11.dat	FILE_DELETE	04-003/23:33:55.6
11904	M1O	04-003/23:43:24.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass05_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/23:33:56.7
11905	M1O	04-003/23:43:25.4		Deletes the designated file.: d:/dat/056_doy003_pass05_file12.dat	FILE_DELETE	04-003/23:33:57.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11906	M1O	04-003/23:43:26.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass05_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/23:33:58.8
11907	M1O	04-003/23:43:27.5		Deletes the designated file.: d:/dat/056_doy003_pass05_file13.dat	FILE_DELETE	04-003/23:33:59.8
11908	M1O	04-003/23:43:28.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass05_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/23:34:00.9
11909	M1O	04-003/23:43:29.6		Deletes the designated file.: d:/dat/056_doy003_pass05_file14.dat	FILE_DELETE	04-003/23:34:01.9
11910	M1O	04-003/23:43:30.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass05_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/23:34:03.0
11911	M1O	04-003/23:43:31.7		Deletes the designated file.: d:/dat/056_doy003_pass05_file15.dat	FILE_DELETE	04-003/23:34:04.0
11912	M1O	04-003/23:43:32.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass05_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/23:34:05.1
11913	M1O	04-003/23:43:33.8		Deletes the designated file.: d:/dat/056_doy003_pass05_file16.dat	FILE_DELETE	04-003/23:34:06.1
11914	M1O	04-003/23:43:34.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass05_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/23:34:07.2
11915	M1O	04-003/23:43:35.9		Deletes the designated file.: d:/dat/056_doy003_pass05_file17.dat	FILE_DELETE	04-003/23:34:08.2
11916	M1O	04-003/23:43:37.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass05_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/23:34:09.3
11917	M1O	04-003/23:43:38.0		Deletes the designated file.: d:/dat/056_doy003_pass05_file18.dat	FILE_DELETE	04-003/23:34:10.3
11918	M1O	04-003/23:43:39.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy003_pass05_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-003/23:34:11.4
11919	M1O	04-003/23:43:40.1		Deletes the designated file.: d:/dat/056_doy003_pass05_file19.dat	FILE_DELETE	04-003/23:34:12.4
11920	M1O	04-003/23:43:41.1		CALL, Engine = , Parameters = 56	get_apid	04-003/23:34:13.4
11921	M1O	04-003/23:43:42.2		CALL, Engine = , Parameters = 56	get_rcv_mode	04-003/23:34:14.5
11922	M1O	04-003/23:43:42.4		CALL, Engine = , Parameters = 56	get_dl_rate	04-003/23:34:14.7
11923	M1O	04-003/23:43:43.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-003/23:34:15.8
11924	M1O	04-003/23:43:44.7		CALL, Engine = , Parameters = 56	get_coding	04-003/23:34:17.0
11925	M1O	04-003/23:43:45.9		CALL, Engine = , Parameters = 56	get_xmt_mode	04-003/23:34:18.2
11926	M1O	04-003/23:43:47.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-003/23:34:19.4
11927	M1O	04-003/23:44:51.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-003/23:35:24.2
11928	M1O	04-003/23:44:52.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-003/23:35:25.2
11929	M1O	04-003/23:44:53.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-003/23:35:26.2
11930	M1O	04-003/23:44:54.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-003/23:35:27.2
11931	M1O	04-003/23:44:55.9		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-003/23:35:28.2
11932	M1O	04-003/23:44:56.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-003/23:35:29.2
11933	M1O	04-003/23:44:57.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/23:35:30.2
11934	M1O	04-003/23:45:47.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-003/23:36:20.2
11935	M1O	04-003/23:45:57.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-003/23:36:30.2
11936	M1O	04-003/23:47:58.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/23:38:31.2
11937	M1O	04-003/23:47:59.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/23:38:32.2
11938	M1O	04-003/23:49:58.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/23:40:31.2
11939	M1O	04-003/23:49:59.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/23:40:32.2
11940	M1O	04-003/23:51:58.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/23:42:31.2
11941	M1O	04-003/23:51:59.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/23:42:32.2
11942	M1O	04-003/23:53:59.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK,	UHF_XMIT_MODE	04-003/23:44:31.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT, DISABLE		
11943	M1O	04-003/23:54:00.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/23:44:32.2
11944	M1O	04-003/23:55:59.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/23:46:31.2
11945	M1O	04-003/23:56:00.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/23:46:32.2
11946	M1O	04-003/23:56:13.3		NOTE: Enter Solar Eclipse 9116		04-003/23:46:45.5
11947	M1O	04-003/23:57:17.2		NOTE: Ascending Node Crossing 9116		04-003/23:47:49.4
11948	M1O	04-003/23:57:59.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/23:48:31.2
11949	M1O	04-003/23:58:00.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/23:48:32.2
11950	M1O	04-003/23:59:59.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/23:50:31.2
11951	M1O	04-004/00:00:00.0		Light Time: OWLT = 09:27, RTLT = 18:55		
11952	M1O	04-004/00:00:00.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/23:50:32.2
11953	M1O	04-004/00:01:59.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/23:52:31.2
11954	M1O	04-004/00:02:00.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/23:52:32.2
11955	M1O	04-004/00:03:59.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/23:54:31.2
11956	M1O	04-004/00:04:00.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/23:54:32.2
11957	M1O	04-004/00:05:59.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/23:56:31.2
11958	M1O	04-004/00:06:00.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/23:56:32.2
11959	M1O	04-004/00:07:59.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/23:58:31.2
11960	M1O	04-004/00:08:00.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/23:58:32.2
11961	M1O	04-004/00:09:59.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/00:00:31.2
11962	M1O	04-004/00:10:00.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/00:00:32.2
11963	M1O	04-004/00:11:59.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/00:02:31.2
11964	M1O	04-004/00:12:00.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/00:02:32.2
11965	M1O	04-004/00:13:59.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/00:04:31.2
11966	M1O	04-004/00:14:00.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/00:04:32.2
11967	M1O	04-004/00:15:59.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/00:06:31.2
11968	M1O	04-004/00:16:00.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/00:06:32.2
11969	M1O	04-004/00:16:56.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/00:07:28.2
11970	M1O	04-004/00:16:57.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-004/00:07:29.3
11971	M1O	04-004/00:17:07.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-004/00:07:39.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11972	M1O	04-004/00:17:08.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-004/00:07:40.3
11973	M1O	04-004/00:17:09.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-004/00:07:41.3
11974	M1O	04-004/00:17:10.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-004/00:07:42.3
11975	M1O	04-004/00:17:16.2		NOTE: Exit Solar Eclipse 9116		04-004/00:07:48.3
11976	M1O	04-004/00:17:58.8		NOTE: ENTER HGA KEEP OUT ZONE		
11977	M1O	04-004/00:25:09.0		NOTE: Enter Planetary Atmosphere 9116		04-004/00:15:41.1
11978	M1O	04-004/00:26:45.4		NOTE: Enter Earth Occultation 9116		04-004/00:17:17.5
11979	M1O	04-004/00:27:12.2		NOTE: North Pole Crossing 9116		04-004/00:17:44.2
11980	M1O	04-004/00:29:25.5		NOTE: Apoapsis 9116 -		04-004/00:19:57.6
11981	M1O	04-004/00:36:58.9		NOTE: EXIT HGA KEEP OUT ZONE		
11982	M1O	04-004/00:44:49.4		NOTE: Exit Earth Occultation 9116		04-004/00:35:21.5
11983	M1O	04-004/00:46:26.8		NOTE: Exit Planetary Atmosphere 9116		04-004/00:36:58.8
11984	M1O	04-004/00:57:11.0		NOTE: Descending Node Crossing 9117		04-004/00:47:43.0
11985	M1O	04-004/01:10:12.0		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-004/01:00:44.0
11986	M1O	04-004/01:10:12.1		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-004/01:00:44.1
11987	M1O	04-004/01:10:13.1		Forces a desaturation of the reaction wheels.	RW_DESAT	04-004/01:00:45.1
11988	M1O	04-004/01:21:43.1		CALL, Engine = , Parameters = FALSE	park_hga	04-004/01:12:15.1
11989	M1O	04-004/01:21:43.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/01:12:15.1
11990	M1O	04-004/01:21:44.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-004/01:12:16.1
11991	M1O	04-004/01:21:45.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-004/01:12:17.1
11992	M1O	04-004/01:21:45.1		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-004/01:12:17.1
11993	M1O	04-004/01:21:45.1		NOTE: START HGA PARK		
11994	M1O	04-004/01:21:46.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-004/01:12:18.1
11995	M1O	04-004/01:21:47.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-004/01:12:19.1
11996	M1O	04-004/01:26:17.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-004/01:16:49.1
11997	M1O	04-004/01:26:31.1		NOTE: South Pole Crossing 9117		04-004/01:17:03.0
11998	M1O	04-004/01:27:55.4		NOTE: Periapsis 9117 ----------		04-004/01:18:27.3
11999	M1O	04-004/01:29:47.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-004/01:20:19.1
12000	M1O	04-004/01:29:47.2		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-004/01:20:19.1
12001	M1O	04-004/01:54:43.5		NOTE: Enter Solar Eclipse 9117		04-004/01:45:15.3
12002	M1O	04-004/01:55:47.4		NOTE: Ascending Node Crossing 9117		04-004/01:46:19.2
12003	M1O	04-004/01:59:47.1		GV: GV_DESAT_ACTIVE = 1		04-004/01:50:19.0
12004	M1O	04-004/01:59:48.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-004/01:50:20.0
12005	M1O	04-004/01:59:48.1		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-004/01:50:20.0
12006	M1O	04-004/02:09:47.2		GV: GV_DESAT_ACTIVE = 0		04-004/02:00:19.0
12007	M1O	04-004/02:09:48.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-004/02:00:20.0
12008	M1O	04-004/02:09:49.2		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-004/02:00:21.0
12009	M1O	04-004/02:09:50.2		CALL, Engine = , Parameters =	unpark_hga	04-004/02:00:22.0
12010	M1O	04-004/02:09:50.2		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-004/02:00:22.0
12011	M1O	04-004/02:09:51.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-004/02:00:23.0
12012	M1O	04-004/02:14:21.2		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-004/02:04:53.0
12013	M1O	04-004/02:14:22.2		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-004/02:04:54.0
12014	M1O	04-004/02:15:44.2		NOTE: Exit Solar Eclipse 9117		04-004/02:06:15.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12015	M1O	04-004/02:16:31.2		NOTE: ENTER HGA KEEP OUT ZONE		
12016	M1O	04-004/02:18:22.2		NOTE: EXIT HGA PARK		
12017	M1O	04-004/02:23:42.6		NOTE: Enter Planetary Atmosphere 9117		04-004/02:14:14.4
12018	M1O	04-004/02:25:19.4		NOTE: Enter Earth Occultation 9117		04-004/02:15:51.1
12019	M1O	04-004/02:25:43.2		NOTE: North Pole Crossing 9117		04-004/02:16:15.0
12020	M1O	04-004/02:27:42.0		NOTE: Apoapsis 9117 -		04-004/02:18:13.7
12021	M1O	04-004/02:35:31.3		NOTE: EXIT HGA KEEP OUT ZONE		
12022	M1O	04-004/02:43:18.6		NOTE: Exit Earth Occultation 9117		04-004/02:33:50.3
12023	M1O	04-004/02:44:56.4		NOTE: Exit Planetary Atmosphere 9117		04-004/02:35:28.1
12024	M1O	04-004/02:55:42.8		NOTE: Descending Node Crossing 9118		04-004/02:46:14.4
12025	M1O	04-004/03:25:02.7		NOTE: South Pole Crossing 9118		04-004/03:15:34.2
12026	M1O	04-004/03:26:05.5		NOTE: Periapsis 9118 ----------		04-004/03:16:37.0
12027	M1O	04-004/03:53:17.8		NOTE: Enter Solar Eclipse 9118		04-004/03:43:49.3
12028	M1O	04-004/03:54:19.8		NOTE: Ascending Node Crossing 9118		04-004/03:44:51.2
12029	M1O	04-004/04:14:11.5		NOTE: Exit Solar Eclipse 9118		04-004/04:04:42.9
12030	M1O	04-004/04:15:02.6		NOTE: ENTER HGA KEEP OUT ZONE		
12031	M1O	04-004/04:22:21.8		NOTE: Enter Planetary Atmosphere 9118		04-004/04:12:53.1
12032	M1O	04-004/04:23:59.4		NOTE: Enter Earth Occultation 9118		04-004/04:14:30.7
12033	M1O	04-004/04:24:16.6		NOTE: North Pole Crossing 9118		04-004/04:14:48.0
12034	M1O	04-004/04:25:56.9		NOTE: Apoapsis 9118 -		04-004/04:16:28.3
12035	M1O	04-004/04:34:02.6		NOTE: EXIT HGA KEEP OUT ZONE		
12036	M1O	04-004/04:41:47.7		NOTE: Exit Earth Occultation 9118		04-004/04:32:19.0
12037	M1O	04-004/04:43:26.4		NOTE: Exit Planetary Atmosphere 9118		04-004/04:33:57.7
12038	M1O	04-004/04:48:35.7		SPAWN, Engine = 65535, Parameters = 004, 01, FALSE, 00:13:00.670, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-004/04:39:07.0
12039	M1O	04-004/04:48:36.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-004/04:39:08.1
12040	M1O	04-004/04:48:38.8		CALL, Engine = , Parameters = 254	get_cmd_opt	04-004/04:39:10.1
12041	M1O	04-004/04:49:21.0		CALL, Engine = , Parameters = 254	get_apid	04-004/04:39:52.3
12042	M1O	04-004/04:49:22.1		CALL, Engine = , Parameters = 254	get_rcv_mode	04-004/04:39:53.4
12043	M1O	04-004/04:49:22.3		CALL, Engine = , Parameters = 254	get_dl_rate	04-004/04:39:53.6
12044	M1O	04-004/04:49:23.4		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-004/04:39:54.7
12045	M1O	04-004/04:49:24.7		CALL, Engine = , Parameters = 254	get_coding	04-004/04:39:56.0
12046	M1O	04-004/04:49:25.9		CALL, Engine = , Parameters = 254	get_xmt_mode	04-004/04:39:57.2
12047	M1O	04-004/04:49:27.1		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-004/04:39:58.4
12048	M1O	04-004/04:50:31.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-004/04:41:03.2
12049	M1O	04-004/04:50:32.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-004/04:41:04.2
12050	M1O	04-004/04:50:33.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-004/04:41:05.2
12051	M1O	04-004/04:50:34.9		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-004/04:41:06.2
12052	M1O	04-004/04:50:35.9		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-004/04:41:07.2
12053	M1O	04-004/04:50:36.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-004/04:41:08.2
12054	M1O	04-004/04:50:37.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/04:41:09.2
12055	M1O	04-004/04:54:16.8		NOTE: Descending Node Crossing 9119		04-004/04:44:48.1
12056	M1O	04-004/05:03:34.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/04:54:05.8
12057	M1O	04-004/05:03:35.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-004/04:54:06.9
12058	M1O	04-004/05:03:45.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-004/04:54:16.9
12059	M1O	04-004/05:03:46.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-004/04:54:17.9
12060	M1O	04-004/05:23:38.1		NOTE: South Pole Crossing 9119		04-004/05:14:09.3
12061	M1O	04-004/05:24:51.0		NOTE: Periapsis 9119 ----------		04-004/05:15:22.2
12062	M1O	04-004/05:51:54.9		NOTE: Enter Solar Eclipse 9119		04-004/05:42:26.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12063	M1O	04-004/05:52:56.2		NOTE: Ascending Node Crossing 9119		04-004/05:43:27.3
12064	M1O	04-004/06:00:00.0	34	Begin Pre-Cal		
12065	M1O	04-004/06:00:00.0	34	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
12066	M1O	04-004/06:00:00.0	34	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
12067	M1O	04-004/06:00:00.0	34	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
12068	M1O	04-004/06:00:00.0	34	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
12069	M1O	04-004/06:00:00.0	34	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
12070	M1O	04-004/06:00:00.0	34	Config: RCV: Parms:		
12071	M1O	04-004/06:00:00.0	34	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
12072	M1O	04-004/06:00:00.0	34	Config: TGC: BAND=X, SR=79632.000000		
12073	M1O	04-004/06:00:00.0	34	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
12074	M1O	04-004/06:12:45.5		NOTE: Exit Solar Eclipse 9119		04-004/06:03:16.5
12075	M1O	04-004/06:13:36.9		NOTE: ENTER HGA KEEP OUT ZONE		
12076	M1O	04-004/06:15:00.0	43	Begin Pre-Cal		
12077	M1O	04-004/06:15:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
12078	M1O	04-004/06:15:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
12079	M1O	04-004/06:15:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
12080	M1O	04-004/06:15:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
12081	M1O	04-004/06:15:00.0	43	At BOT: S/C Tlm Mode: BR=0.0, FL=10112, SC=375KHZ, MI=71.7		
12082	M1O	04-004/06:15:00.0	43	Config: RCV: Parms:		
12083	M1O	04-004/06:15:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
12084	M1O	04-004/06:15:00.0	43	Config: TGC: BAND=X, SR=0.000000		
12085	M1O	04-004/06:15:00.0	43	Config: TXL		
12086	M1O	04-004/06:15:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
12087	M1O	04-004/06:15:00.0	43	Config: CMD		
12088	M1O	04-004/06:15:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
12089	M1O	04-004/06:20:59.9		NOTE: Enter Planetary Atmosphere 9119		04-004/06:11:30.9
12090	M1O	04-004/06:22:38.0		NOTE: Enter Earth Occultation 9119		04-004/06:13:09.0
12091	M1O	04-004/06:22:52.7		NOTE: North Pole Crossing 9119		04-004/06:13:23.7
12092	M1O	04-004/06:24:53.9		NOTE: Apoapsis 9119 -		04-004/06:15:24.9
12093	M1O	04-004/06:30:00.0	34	Begin Tracking		
12094	M1O	04-004/06:32:37.0		NOTE: EXIT HGA KEEP OUT ZONE		
12095	M1O	04-004/06:39:55.5		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-004/06:30:26.5
12096	M1O	04-004/06:39:55.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/06:30:26.6
12097	M1O	04-004/06:39:56.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-004/06:30:27.6
12098	M1O	04-004/06:39:57.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-004/06:30:28.6
12099	M1O	04-004/06:39:58.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-004/06:30:29.6
12100	M1O	04-004/06:39:59.6		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-004/06:30:30.6
12101	M1O	04-004/06:40:09.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-004/06:30:40.6
12102	M1O	04-004/06:40:19.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-004/06:30:50.6
12103	M1O	04-004/06:40:20.5		NOTE: Exit Earth Occultation 9119		04-004/06:30:51.5
12104	M1O	04-004/06:40:20.5	34	Acquisition Of X-Band Signal		
12105	M1O	04-004/06:40:20.5	34	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12106	M1O	04-004/06:41:59.6		NOTE: Exit Planetary Atmosphere 9119		04-004/06:32:30.6
12107	M1O	04-004/06:42:45.0		SPAWN, Engine = 65535, Parameters = 004, 02, TRUE, 00:18:54, 254, FALSE, 32_KPS, 00:05:00, 00:00:00	uhf	04-004/06:33:16.0
12108	M1O	04-004/06:42:46.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-004/06:33:17.1
12109	M1O	04-004/06:42:48.1		CALL, Engine = , Parameters = 254	get_cmd_opt	04-004/06:33:19.1
12110	M1O	04-004/06:42:48.4		CALL, Engine = , Parameters = 004, 02, 254	bld_autosw	04-004/06:33:19.4
12111	M1O	04-004/06:42:49.5		Copies the file designated in the source_path to the target_path.:	FILE_COPY	04-004/06:33:20.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE		
12112	M1O	04-004/06:42:50.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/06:33:21.6
12113	M1O	04-004/06:42:51.6		Deletes the designated file.: d:/dat/254_doy004_pass02_file01.dat	FILE_DELETE	04-004/06:33:22.6
12114	M1O	04-004/06:42:52.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/06:33:23.7
12115	M1O	04-004/06:42:53.7		Deletes the designated file.: d:/dat/254_doy004_pass02_file02.dat	FILE_DELETE	04-004/06:33:24.7
12116	M1O	04-004/06:42:54.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/06:33:25.8
12117	M1O	04-004/06:42:55.8		Deletes the designated file.: d:/dat/254_doy004_pass02_file03.dat	FILE_DELETE	04-004/06:33:26.8
12118	M1O	04-004/06:42:56.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/06:33:27.9
12119	M1O	04-004/06:42:57.9		Deletes the designated file.: d:/dat/254_doy004_pass02_file04.dat	FILE_DELETE	04-004/06:33:28.9
12120	M1O	04-004/06:42:59.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/06:33:30.0
12121	M1O	04-004/06:43:00.0		Deletes the designated file.: d:/dat/254_doy004_pass02_file05.dat	FILE_DELETE	04-004/06:33:31.0
12122	M1O	04-004/06:43:01.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/06:33:32.1
12123	M1O	04-004/06:43:02.1		Deletes the designated file.: d:/dat/254_doy004_pass02_file06.dat	FILE_DELETE	04-004/06:33:33.1
12124	M1O	04-004/06:43:03.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/06:33:34.2
12125	M1O	04-004/06:43:04.2		Deletes the designated file.: d:/dat/254_doy004_pass02_file07.dat	FILE_DELETE	04-004/06:33:35.2
12126	M1O	04-004/06:43:05.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/06:33:36.3
12127	M1O	04-004/06:43:06.3		Deletes the designated file.: d:/dat/254_doy004_pass02_file08.dat	FILE_DELETE	04-004/06:33:37.3
12128	M1O	04-004/06:43:07.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/06:33:38.4
12129	M1O	04-004/06:43:08.4		Deletes the designated file.: d:/dat/254_doy004_pass02_file09.dat	FILE_DELETE	04-004/06:33:39.4
12130	M1O	04-004/06:43:09.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/06:33:40.5
12131	M1O	04-004/06:43:10.5		Deletes the designated file.: d:/dat/254_doy004_pass02_file10.dat	FILE_DELETE	04-004/06:33:41.5
12132	M1O	04-004/06:43:11.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/06:33:42.6
12133	M1O	04-004/06:43:12.6		Deletes the designated file.: d:/dat/254_doy004_pass02_file11.dat	FILE_DELETE	04-004/06:33:43.6
12134	M1O	04-004/06:43:13.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/06:33:44.7
12135	M1O	04-004/06:43:14.7		Deletes the designated file.: d:/dat/254_doy004_pass02_file12.dat	FILE_DELETE	04-004/06:33:45.7
12136	M1O	04-004/06:43:15.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/06:33:46.8
12137	M1O	04-004/06:43:16.8		Deletes the designated file.: d:/dat/254_doy004_pass02_file13.dat	FILE_DELETE	04-004/06:33:47.8
12138	M1O	04-004/06:43:17.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/06:33:48.9
12139	M1O	04-004/06:43:18.9		Deletes the designated file.: d:/dat/254_doy004_pass02_file14.dat	FILE_DELETE	04-004/06:33:49.9
12140	M1O	04-004/06:43:20.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/06:33:51.0
12141	M1O	04-004/06:43:21.0		Deletes the designated file.: d:/dat/254_doy004_pass02_file15.dat	FILE_DELETE	04-004/06:33:52.0
12142	M1O	04-004/06:43:22.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/06:33:53.1
12143	M1O	04-004/06:43:23.1		Deletes the designated file.: d:/dat/254_doy004_pass02_file16.dat	FILE_DELETE	04-004/06:33:54.1
12144	M1O	04-004/06:43:24.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/06:33:55.2
12145	M1O	04-004/06:43:25.2		Deletes the designated file.: d:/dat/254_doy004_pass02_file17.dat	FILE_DELETE	04-004/06:33:56.2
12146	M1O	04-004/06:43:26.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/06:33:57.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12147	M1O	04-004/06:43:27.3		Deletes the designated file.: d:/dat/254_doy004_pass02_file18.dat	FILE_DELETE	04-004/06:33:58.3
12148	M1O	04-004/06:43:28.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/06:33:59.4
12149	M1O	04-004/06:43:29.4		Deletes the designated file.: d:/dat/254_doy004_pass02_file19.dat	FILE_DELETE	04-004/06:34:00.4
12150	M1O	04-004/06:43:30.4		CALL, Engine = , Parameters = 254	get_apid	04-004/06:34:01.4
12151	M1O	04-004/06:43:31.5		CALL, Engine = , Parameters = 254	get_rcv_mode	04-004/06:34:02.5
12152	M1O	04-004/06:43:31.7		CALL, Engine = , Parameters = 254	get_dl_rate	04-004/06:34:02.7
12153	M1O	04-004/06:43:32.8		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-004/06:34:03.8
12154	M1O	04-004/06:43:34.1		CALL, Engine = , Parameters = 254	get_coding	04-004/06:34:05.1
12155	M1O	04-004/06:43:35.3		CALL, Engine = , Parameters = 254	get_xmt_mode	04-004/06:34:06.3
12156	M1O	04-004/06:43:36.5		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-004/06:34:07.5
12157	M1O	04-004/06:44:41.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-004/06:35:12.3
12158	M1O	04-004/06:44:42.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-004/06:35:13.3
12159	M1O	04-004/06:44:43.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-004/06:35:14.3
12160	M1O	04-004/06:44:44.3		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-004/06:35:15.3
12161	M1O	04-004/06:44:45.3		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-004/06:35:16.3
12162	M1O	04-004/06:44:46.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-004/06:35:17.3
12163	M1O	04-004/06:44:47.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/06:35:18.3
12164	M1O	04-004/06:45:19.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-004/06:35:50.6
12165	M1O	04-004/06:45:20.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-004/06:35:51.6
12166	M1O	04-004/06:45:20.7	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12167	M1O	04-004/06:45:21.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/06:35:52.6
12168	M1O	04-004/06:45:21.6	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12169	M1O	04-004/06:45:21.7		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-004/06:35:52.6
12170	M1O	04-004/06:49:37.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/06:40:08.3
12171	M1O	04-004/06:49:47.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-004/06:40:18.3
12172	M1O	04-004/06:52:52.9		NOTE: Descending Node Crossing 9120		04-004/06:43:23.8
12173	M1O	04-004/06:58:58.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-004/06:49:29.0
12174	M1O	04-004/06:59:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/06:49:31.1
12175	M1O	04-004/06:59:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-004/06:49:32.1
12176	M1O	04-004/07:00:00.0	43	Begin Tracking		
12177	M1O	04-004/07:00:00.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12178	M1O	04-004/07:01:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12179	M1O	04-004/07:03:39.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/06:54:10.3
12180	M1O	04-004/07:03:40.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-004/06:54:11.4
12181	M1O	04-004/07:03:50.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-004/06:54:21.4
12182	M1O	04-004/07:03:51.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-004/06:54:22.4
12183	M1O	04-004/07:03:52.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-004/06:54:23.4
12184	M1O	04-004/07:03:52.5	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12185	M1O	04-004/07:03:52.5	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12186	M1O	04-004/07:03:53.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-004/06:54:24.4
12187	M1O	04-004/07:05:00.2		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-004/06:55:31.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
12188	M1O	04-004/07:05:00.2	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12189	M1O	04-004/07:05:00.2	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12190	M1O	04-004/07:05:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-004/06:55:32.1
12191	M1O	04-004/07:06:00.0	43	Range Modulation On: SUP=3.0dB		
12192	M1O	04-004/07:07:00.0	43	Begin Ranging Acquisition		
12193	M1O	04-004/07:09:29.1		SPAWN, Engine = 65535, Parameters =	scdiag	04-004/07:00:00.0
12194	M1O	04-004/07:09:30.2		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-004/07:00:01.1
12195	M1O	04-004/07:09:31.2		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-004/07:00:02.1
12196	M1O	04-004/07:10:32.1		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-004/07:01:03.0
12197	M1O	04-004/07:10:32.3		NOTE: Start Block fsw_diag		04-004/07:01:03.2
12198	M1O	04-004/07:10:33.3		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-004/07:01:04.2
12199	M1O	04-004/07:10:34.3		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	04-004/07:01:05.2
12200	M1O	04-004/07:10:45.3		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	04-004/07:01:16.2
12201	M1O	04-004/07:11:15.3		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-004/07:01:46.2
12202	M1O	04-004/07:11:35.3		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-004/07:02:06.2
12203	M1O	04-004/07:11:45.3		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-004/07:02:16.2
12204	M1O	04-004/07:12:05.3		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-004/07:02:36.2
12205	M1O	04-004/07:12:15.3		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-004/07:02:46.2
12206	M1O	04-004/07:12:20.3		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-004/07:02:51.2
12207	M1O	04-004/07:12:25.3		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-004/07:02:56.2
12208	M1O	04-004/07:12:30.3		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-004/07:03:01.2
12209	M1O	04-004/07:12:35.3		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-004/07:03:06.2
12210	M1O	04-004/07:12:40.3		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-004/07:03:11.2
12211	M1O	04-004/07:13:20.3		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-004/07:03:51.2
12212	M1O	04-004/07:13:25.3		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-004/07:03:56.2
12213	M1O	04-004/07:13:30.3		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-004/07:04:01.2
12214	M1O	04-004/07:13:35.3		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-004/07:04:06.2
12215	M1O	04-004/07:13:40.3		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-004/07:04:11.2
12216	M1O	04-004/07:13:41.3		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-004/07:04:12.2
12217	M1O	04-004/07:13:42.3		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-004/07:04:13.2
12218	M1O	04-004/07:13:43.3		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-004/07:04:14.2
12219	M1O	04-004/07:13:54.3		NOTE: End Block fsw_diag.mod		04-004/07:04:25.2
12220	M1O	04-004/07:18:56.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-004/07:09:26.8
12221	M1O	04-004/07:18:58.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/07:09:28.9
12222	M1O	04-004/07:18:58.1	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12223	M1O	04-004/07:18:58.1	43	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12224	M1O	04-004/07:18:59.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-004/07:09:29.9
12225	M1O	04-004/07:19:58.2	34	Acquire D/L: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12226	M1O	04-004/07:19:58.2	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12227	M1O	04-004/07:22:15.1		NOTE: South Pole Crossing 9120		04-004/07:12:45.9
12228	M1O	04-004/07:23:54.8		NOTE: Periapsis 9120 ----------		04-004/07:14:25.6
12229	M1O	04-004/07:24:58.1		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-004/07:15:28.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
12230	M1O	04-004/07:24:58.1	34	D/L Change: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12231	M1O	04-004/07:24:58.1	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12232	M1O	04-004/07:24:59.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-004/07:15:29.9
12233	M1O	04-004/07:38:34.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
12234	M1O	04-004/07:48:34.0	43	Range Modulation Off		
12235	M1O	04-004/07:50:30.4		NOTE: Enter Solar Eclipse 9120		04-004/07:41:01.2
12236	M1O	04-004/07:51:33.2		NOTE: Ascending Node Crossing 9120		04-004/07:42:04.0
12237	M1O	04-004/07:53:34.0	43	X-Band Transmitter Off		
12238	M1O	04-004/08:11:22.3		NOTE: Exit Solar Eclipse 9120		04-004/08:01:52.9
12239	M1O	04-004/08:11:30.1		SPAWN, Engine = 65535, Parameters = 3, 00:32:55, 1	dpt	04-004/08:02:00.8
12240	M1O	04-004/08:11:32.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/08:02:02.9
12241	M1O	04-004/08:11:32.2	34	D/L Change: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12242	M1O	04-004/08:11:32.2	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12243	M1O	04-004/08:11:33.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-004/08:02:03.9
12244	M1O	04-004/08:12:32.5	34	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12245	M1O	04-004/08:12:32.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12246	M1O	04-004/08:12:33.3		NOTE: ENTER HGA KEEP OUT ZONE		
12247	M1O	04-004/08:12:33.3	34	NOTE: Loss Of X-Band Signal		
12248	M1O	04-004/08:12:33.3	43	NOTE: Loss Of X-Band Signal		
12249	M1O	04-004/08:19:36.2		NOTE: Enter Planetary Atmosphere 9120		04-004/08:10:06.9
12250	M1O	04-004/08:20:29.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12251	M1O	04-004/08:21:14.5		NOTE: Enter Earth Occultation 9120		04-004/08:11:45.1
12252	M1O	04-004/08:21:29.3		NOTE: North Pole Crossing 9120		04-004/08:11:59.9
12253	M1O	04-004/08:24:01.8		NOTE: Apoapsis 9120 -		04-004/08:14:32.4
12254	M1O	04-004/08:25:29.0	43	Range Modulation On: SUP=3.0dB		
12255	M1O	04-004/08:26:29.0	43	Begin Ranging Acquisition		
12256	M1O	04-004/08:31:13.4		NOTE: EXIT HGA KEEP OUT ZONE		
12257	M1O	04-004/08:38:55.5		NOTE: Exit Earth Occultation 9120		04-004/08:29:26.1
12258	M1O	04-004/08:38:55.5	34	Acquisition Of X-Band Signal		
12259	M1O	04-004/08:38:55.5	34	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12260	M1O	04-004/08:38:55.5	43	Acquisition Of X-Band Signal		
12261	M1O	04-004/08:38:55.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12262	M1O	04-004/08:39:27.7	34	Acquire D/L: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12263	M1O	04-004/08:39:27.7	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12264	M1O	04-004/08:40:34.7		NOTE: Exit Planetary Atmosphere 9120		04-004/08:31:05.3
12265	M1O	04-004/08:44:27.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-004/08:34:57.9
12266	M1O	04-004/08:44:27.3	34	D/L Change: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12267	M1O	04-004/08:44:27.3	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12268	M1O	04-004/08:44:28.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-004/08:34:58.9
12269	M1O	04-004/08:51:29.7		NOTE: Descending Node Crossing 9121		04-004/08:42:00.3
12270	M1O	04-004/09:20:51.6		NOTE: South Pole Crossing 9121		04-004/09:11:22.0
12271	M1O	04-004/09:22:46.6		NOTE: Periapsis 9121 ----------		04-004/09:13:17.0
12272	M1O	04-004/09:37:10.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
12273	M1O	04-004/09:47:10.0	43	Range Modulation Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12274	M1O	04-004/09:49:03.8		NOTE: Enter Solar Eclipse 9121		04-004/09:39:34.2
12275	M1O	04-004/09:50:08.7		NOTE: Ascending Node Crossing 9121		04-004/09:40:39.1
12276	M1O	04-004/09:52:10.0	43	X-Band Transmitter Off		
12277	M1O	04-004/10:09:59.0		NOTE: Exit Solar Eclipse 9121		04-004/10:00:29.3
12278	M1O	04-004/10:10:06.5		SPAWN, Engine = 65535, Parameters = 3, 00:32:55, 1	dpt	04-004/10:00:36.8
12279	M1O	04-004/10:10:08.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/10:00:38.9
12280	M1O	04-004/10:10:08.6	34	D/L Change: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12281	M1O	04-004/10:10:08.6	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12282	M1O	04-004/10:10:09.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-004/10:00:39.9
12283	M1O	04-004/10:11:09.3	34	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12284	M1O	04-004/10:11:09.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12285	M1O	04-004/10:11:09.7		NOTE: ENTER HGA KEEP OUT ZONE		
12286	M1O	04-004/10:11:09.7	34	NOTE: Loss Of X-Band Signal		
12287	M1O	04-004/10:11:09.7	43	NOTE: Loss Of X-Band Signal		
12288	M1O	04-004/10:18:09.5		NOTE: Enter Planetary Atmosphere 9121		04-004/10:08:39.7
12289	M1O	04-004/10:19:05.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12290	M1O	04-004/10:19:47.5		NOTE: Enter Earth Occultation 9121		04-004/10:10:17.7
12291	M1O	04-004/10:20:04.7		NOTE: North Pole Crossing 9121		04-004/10:10:35.0
12292	M1O	04-004/10:22:40.5		NOTE: Apoapsis 9121 -		04-004/10:13:10.8
12293	M1O	04-004/10:24:05.0	43	Range Modulation On: SUP=3.0dB		
12294	M1O	04-004/10:25:05.0	43	Begin Ranging Acquisition		
12295	M1O	04-004/10:29:49.7		NOTE: EXIT HGA KEEP OUT ZONE		
12296	M1O	04-004/10:37:32.3		NOTE: Exit Earth Occultation 9121		04-004/10:28:02.5
12297	M1O	04-004/10:37:32.3	34	Acquisition Of X-Band Signal		
12298	M1O	04-004/10:37:32.3	34	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12299	M1O	04-004/10:37:32.3	43	Acquisition Of X-Band Signal		
12300	M1O	04-004/10:37:32.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12301	M1O	04-004/10:38:04.4	34	Acquire D/L: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12302	M1O	04-004/10:38:04.4	43	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12303	M1O	04-004/10:38:24.7		SPAWN, Engine = 65535, Parameters = 004, 01, TRUE, 00:12:34.601, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-004/10:28:55.0
12304	M1O	04-004/10:38:25.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-004/10:28:56.1
12305	M1O	04-004/10:38:27.8		CALL, Engine = , Parameters = 56	get_cmd_opt	04-004/10:28:58.1
12306	M1O	04-004/10:38:28.1		CALL, Engine = , Parameters = 004, 01, 056	bld_autosw	04-004/10:28:58.4
12307	M1O	04-004/10:38:29.2		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-004/10:28:59.5
12308	M1O	04-004/10:38:30.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/10:29:00.6
12309	M1O	04-004/10:38:31.3		Deletes the designated file.: d:/dat/056_doy004_pass01_file01.dat	FILE_DELETE	04-004/10:29:01.6
12310	M1O	04-004/10:38:32.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/10:29:02.7
12311	M1O	04-004/10:38:33.4		Deletes the designated file.: d:/dat/056_doy004_pass01_file02.dat	FILE_DELETE	04-004/10:29:03.7
12312	M1O	04-004/10:38:34.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/10:29:04.8
12313	M1O	04-004/10:38:35.5		Deletes the designated file.: d:/dat/056_doy004_pass01_file03.dat	FILE_DELETE	04-004/10:29:05.8
12314	M1O	04-004/10:38:36.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/10:29:06.9
12315	M1O	04-004/10:38:37.6		Deletes the designated file.: d:/dat/056_doy004_pass01_file04.dat	FILE_DELETE	04-004/10:29:07.9
12316	M1O	04-004/10:38:38.7		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-004/10:29:09.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy004_pass01_file05.dat, d:/dat/autoswitch.dat		
12317	M1O	04-004/10:38:39.7		Deletes the designated file.: d:/dat/056_doy004_pass01_file05.dat	FILE_DELETE	04-004/10:29:10.0
12318	M1O	04-004/10:38:40.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/10:29:11.1
12319	M1O	04-004/10:38:41.8		Deletes the designated file.: d:/dat/056_doy004_pass01_file06.dat	FILE_DELETE	04-004/10:29:12.1
12320	M1O	04-004/10:38:42.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/10:29:13.2
12321	M1O	04-004/10:38:43.9		Deletes the designated file.: d:/dat/056_doy004_pass01_file07.dat	FILE_DELETE	04-004/10:29:14.2
12322	M1O	04-004/10:38:45.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/10:29:15.3
12323	M1O	04-004/10:38:46.0		Deletes the designated file.: d:/dat/056_doy004_pass01_file08.dat	FILE_DELETE	04-004/10:29:16.3
12324	M1O	04-004/10:38:47.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/10:29:17.4
12325	M1O	04-004/10:38:48.1		Deletes the designated file.: d:/dat/056_doy004_pass01_file09.dat	FILE_DELETE	04-004/10:29:18.4
12326	M1O	04-004/10:38:49.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/10:29:19.5
12327	M1O	04-004/10:38:50.2		Deletes the designated file.: d:/dat/056_doy004_pass01_file10.dat	FILE_DELETE	04-004/10:29:20.5
12328	M1O	04-004/10:38:51.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/10:29:21.6
12329	M1O	04-004/10:38:52.3		Deletes the designated file.: d:/dat/056_doy004_pass01_file11.dat	FILE_DELETE	04-004/10:29:22.6
12330	M1O	04-004/10:38:53.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/10:29:23.7
12331	M1O	04-004/10:38:54.4		Deletes the designated file.: d:/dat/056_doy004_pass01_file12.dat	FILE_DELETE	04-004/10:29:24.7
12332	M1O	04-004/10:38:55.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/10:29:25.8
12333	M1O	04-004/10:38:56.5		Deletes the designated file.: d:/dat/056_doy004_pass01_file13.dat	FILE_DELETE	04-004/10:29:26.8
12334	M1O	04-004/10:38:57.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/10:29:27.9
12335	M1O	04-004/10:38:58.6		Deletes the designated file.: d:/dat/056_doy004_pass01_file14.dat	FILE_DELETE	04-004/10:29:28.9
12336	M1O	04-004/10:38:59.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/10:29:30.0
12337	M1O	04-004/10:39:00.7		Deletes the designated file.: d:/dat/056_doy004_pass01_file15.dat	FILE_DELETE	04-004/10:29:31.0
12338	M1O	04-004/10:39:01.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/10:29:32.1
12339	M1O	04-004/10:39:02.8		Deletes the designated file.: d:/dat/056_doy004_pass01_file16.dat	FILE_DELETE	04-004/10:29:33.1
12340	M1O	04-004/10:39:03.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/10:29:34.2
12341	M1O	04-004/10:39:04.9		Deletes the designated file.: d:/dat/056_doy004_pass01_file17.dat	FILE_DELETE	04-004/10:29:35.2
12342	M1O	04-004/10:39:06.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/10:29:36.3
12343	M1O	04-004/10:39:07.0		Deletes the designated file.: d:/dat/056_doy004_pass01_file18.dat	FILE_DELETE	04-004/10:29:37.3
12344	M1O	04-004/10:39:08.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/10:29:38.4
12345	M1O	04-004/10:39:09.1		Deletes the designated file.: d:/dat/056_doy004_pass01_file19.dat	FILE_DELETE	04-004/10:29:39.4
12346	M1O	04-004/10:39:10.1		CALL, Engine = , Parameters = 56	get_apid	04-004/10:29:40.4
12347	M1O	04-004/10:39:11.3		CALL, Engine = , Parameters = 56	get_rcv_mode	04-004/10:29:41.5
12348	M1O	04-004/10:39:11.3		NOTE: Exit Planetary Atmosphere 9121		04-004/10:29:41.5
12349	M1O	04-004/10:39:11.5		CALL, Engine = , Parameters = 56	get_dl_rate	04-004/10:29:41.7
12350	M1O	04-004/10:39:12.6		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-004/10:29:42.8
12351	M1O	04-004/10:39:13.8		CALL, Engine = , Parameters = 56	get_coding	04-004/10:29:44.0
12352	M1O	04-004/10:39:15.0		CALL, Engine = , Parameters = 56	get_xmt_mode	04-004/10:29:45.2
12353	M1O	04-004/10:39:16.2		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-004/10:29:46.4
12354	M1O	04-004/10:40:21.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-004/10:30:51.2
12355	M1O	04-004/10:40:22.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-004/10:30:52.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12356	M1O	04-004/10:40:23.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-004/10:30:53.2
12357	M1O	04-004/10:40:24.0		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-004/10:30:54.2
12358	M1O	04-004/10:40:25.0		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-004/10:30:55.2
12359	M1O	04-004/10:40:26.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-004/10:30:56.2
12360	M1O	04-004/10:40:27.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/10:30:57.2
12361	M1O	04-004/10:41:17.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/10:31:47.2
12362	M1O	04-004/10:41:27.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-004/10:31:57.2
12363	M1O	04-004/10:43:03.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-004/10:33:33.9
12364	M1O	04-004/10:43:03.7	34	D/L Change: X/08, 3-Way/43, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12365	M1O	04-004/10:43:03.7	43	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12366	M1O	04-004/10:43:04.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/10:33:34.9
12367	M1O	04-004/10:43:04.7	34	D/L Change: X/08, 3-Way/43, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12368	M1O	04-004/10:43:04.7	43	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12369	M1O	04-004/10:43:04.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-004/10:33:34.9
12370	M1O	04-004/10:43:28.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/10:33:58.2
12371	M1O	04-004/10:43:29.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/10:33:59.2
12372	M1O	04-004/10:45:28.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/10:35:58.2
12373	M1O	04-004/10:45:29.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/10:35:59.2
12374	M1O	04-004/10:47:28.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/10:37:58.2
12375	M1O	04-004/10:47:29.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/10:37:59.2
12376	M1O	04-004/10:49:28.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/10:39:58.2
12377	M1O	04-004/10:49:29.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/10:39:59.2
12378	M1O	04-004/10:50:05.2		NOTE: Descending Node Crossing 9122		04-004/10:40:35.4
12379	M1O	04-004/10:51:28.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/10:41:58.2
12380	M1O	04-004/10:51:29.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/10:41:59.2
12381	M1O	04-004/10:52:59.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/10:43:29.8
12382	M1O	04-004/10:53:00.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-004/10:43:30.9
12383	M1O	04-004/10:53:10.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-004/10:43:40.9
12384	M1O	04-004/10:53:11.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-004/10:43:41.9
12385	M1O	04-004/10:53:12.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-004/10:43:42.9
12386	M1O	04-004/10:53:12.7	34	D/L Change: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12387	M1O	04-004/10:53:12.7	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12388	M1O	04-004/10:53:13.7		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-004/10:43:43.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12389	M1O	04-004/10:58:12.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-004/10:48:42.6
12390	M1O	04-004/10:58:12.4	34	D/L Change: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12391	M1O	04-004/10:58:12.4	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12392	M1O	04-004/11:19:25.8		NOTE: South Pole Crossing 9122		04-004/11:09:55.8
12393	M1O	04-004/11:21:12.1		NOTE: Periapsis 9122 ----------		04-004/11:11:42.1
12394	M1O	04-004/11:35:44.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
12395	M1O	04-004/11:45:44.0	43	Range Modulation Off		
12396	M1O	04-004/11:47:35.3		NOTE: Enter Solar Eclipse 9122		04-004/11:38:05.3
12397	M1O	04-004/11:48:41.7		NOTE: Ascending Node Crossing 9122		04-004/11:39:11.7
12398	M1O	04-004/11:50:44.0	43	X-Band Transmitter Off		
12399	M1O	04-004/12:08:34.0		NOTE: Exit Solar Eclipse 9122		04-004/11:59:03.9
12400	M1O	04-004/12:08:39.8		SPAWN, Engine = 65535, Parameters = 3, 00:32:57.228, 1	dpt	04-004/11:59:09.7
12401	M1O	04-004/12:08:41.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/11:59:11.8
12402	M1O	04-004/12:08:41.9	34	D/L Change: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12403	M1O	04-004/12:08:41.9	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12404	M1O	04-004/12:08:42.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-004/11:59:12.8
12405	M1O	04-004/12:09:44.0	34	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12406	M1O	04-004/12:09:44.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12407	M1O	04-004/12:09:45.0		NOTE: ENTER HGA KEEP OUT ZONE		
12408	M1O	04-004/12:09:45.0	34	NOTE: Loss Of X-Band Signal		
12409	M1O	04-004/12:09:45.0	43	NOTE: Loss Of X-Band Signal		
12410	M1O	04-004/12:16:38.5		NOTE: Enter Planetary Atmosphere 9122		04-004/12:07:08.4
12411	M1O	04-004/12:17:39.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12412	M1O	04-004/12:18:16.0		NOTE: Enter Earth Occultation 9122		04-004/12:08:45.9
12413	M1O	04-004/12:18:37.5		NOTE: North Pole Crossing 9122		04-004/12:09:07.4
12414	M1O	04-004/12:20:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
12415	M1O	04-004/12:20:54.8		NOTE: Apoapsis 9122 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12431	M1O	04-004/12:26:40.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/12:17:10.0
12432	M1O	04-004/12:26:41.1		Deletes the designated file.: d:/dat/056_doy004_pass02_file05.dat	FILE_DELETE	04-004/12:17:11.0
12433	M1O	04-004/12:26:42.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/12:17:12.1
12434	M1O	04-004/12:26:43.2		Deletes the designated file.: d:/dat/056_doy004_pass02_file06.dat	FILE_DELETE	04-004/12:17:13.1
12435	M1O	04-004/12:26:44.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/12:17:14.2
12436	M1O	04-004/12:26:45.3		Deletes the designated file.: d:/dat/056_doy004_pass02_file07.dat	FILE_DELETE	04-004/12:17:15.2
12437	M1O	04-004/12:26:46.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/12:17:16.3
12438	M1O	04-004/12:26:47.4		Deletes the designated file.: d:/dat/056_doy004_pass02_file08.dat	FILE_DELETE	04-004/12:17:17.3
12439	M1O	04-004/12:26:48.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/12:17:18.4
12440	M1O	04-004/12:26:49.5		Deletes the designated file.: d:/dat/056_doy004_pass02_file09.dat	FILE_DELETE	04-004/12:17:19.4
12441	M1O	04-004/12:26:50.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/12:17:20.5
12442	M1O	04-004/12:26:51.6		Deletes the designated file.: d:/dat/056_doy004_pass02_file10.dat	FILE_DELETE	04-004/12:17:21.5
12443	M1O	04-004/12:26:52.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/12:17:22.6
12444	M1O	04-004/12:26:53.7		Deletes the designated file.: d:/dat/056_doy004_pass02_file11.dat	FILE_DELETE	04-004/12:17:23.6
12445	M1O	04-004/12:26:54.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/12:17:24.7
12446	M1O	04-004/12:26:55.8		Deletes the designated file.: d:/dat/056_doy004_pass02_file12.dat	FILE_DELETE	04-004/12:17:25.7
12447	M1O	04-004/12:26:56.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/12:17:26.8
12448	M1O	04-004/12:26:57.9		Deletes the designated file.: d:/dat/056_doy004_pass02_file13.dat	FILE_DELETE	04-004/12:17:27.8
12449	M1O	04-004/12:26:59.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/12:17:28.9
12450	M1O	04-004/12:27:00.0		Deletes the designated file.: d:/dat/056_doy004_pass02_file14.dat	FILE_DELETE	04-004/12:17:29.9
12451	M1O	04-004/12:27:01.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/12:17:31.0
12452	M1O	04-004/12:27:02.1		Deletes the designated file.: d:/dat/056_doy004_pass02_file15.dat	FILE_DELETE	04-004/12:17:32.0
12453	M1O	04-004/12:27:03.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/12:17:33.1
12454	M1O	04-004/12:27:04.2		Deletes the designated file.: d:/dat/056_doy004_pass02_file16.dat	FILE_DELETE	04-004/12:17:34.1
12455	M1O	04-004/12:27:05.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/12:17:35.2
12456	M1O	04-004/12:27:06.3		Deletes the designated file.: d:/dat/056_doy004_pass02_file17.dat	FILE_DELETE	04-004/12:17:36.2
12457	M1O	04-004/12:27:07.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/12:17:37.3
12458	M1O	04-004/12:27:08.4		Deletes the designated file.: d:/dat/056_doy004_pass02_file18.dat	FILE_DELETE	04-004/12:17:38.3
12459	M1O	04-004/12:27:09.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/12:17:39.4
12460	M1O	04-004/12:27:10.5		Deletes the designated file.: d:/dat/056_doy004_pass02_file19.dat	FILE_DELETE	04-004/12:17:40.4
12461	M1O	04-004/12:27:11.5		CALL, Engine = , Parameters = 56	get_apid	04-004/12:17:41.4
12462	M1O	04-004/12:27:12.6		CALL, Engine = , Parameters = 56	get_rcv_mode	04-004/12:17:42.5
12463	M1O	04-004/12:27:12.8		CALL, Engine = , Parameters = 56	get_dl_rate	04-004/12:17:42.7
12464	M1O	04-004/12:27:13.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-004/12:17:43.8
12465	M1O	04-004/12:27:15.1		CALL, Engine = , Parameters = 56	get_coding	04-004/12:17:45.0
12466	M1O	04-004/12:27:16.3		CALL, Engine = , Parameters = 56	get_xmt_mode	04-004/12:17:46.2
12467	M1O	04-004/12:27:17.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-004/12:17:47.4
12468	M1O	04-004/12:28:22.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-004/12:18:52.2
12469	M1O	04-004/12:28:23.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-004/12:18:53.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12470	M1O	04-004/12:28:24.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-004/12:18:54.2
12471	M1O	04-004/12:28:25.1		NOTE: EXIT HGA KEEP OUT ZONE		
12472	M1O	04-004/12:28:25.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-004/12:18:55.2
12473	M1O	04-004/12:28:26.3		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-004/12:18:56.2
12474	M1O	04-004/12:28:27.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-004/12:18:57.2
12475	M1O	04-004/12:28:28.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/12:18:58.2
12476	M1O	04-004/12:29:18.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/12:19:48.2
12477	M1O	04-004/12:29:28.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-004/12:19:58.2
12478	M1O	04-004/12:30:00.0	43	Range Modulation Off		
12479	M1O	04-004/12:31:29.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/12:21:59.2
12480	M1O	04-004/12:31:30.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/12:22:00.2
12481	M1O	04-004/12:33:29.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/12:23:59.2
12482	M1O	04-004/12:33:30.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/12:24:00.2
12483	M1O	04-004/12:35:00.0	43	X-Band Transmitter Off		
12484	M1O	04-004/12:35:29.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/12:25:59.2
12485	M1O	04-004/12:35:30.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/12:26:00.2
12486	M1O	04-004/12:36:07.7		NOTE: Exit Earth Occultation 9122		04-004/12:26:37.5
12487	M1O	04-004/12:36:07.7	34	Acquisition Of X-Band Signal		
12488	M1O	04-004/12:36:07.7	34	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12489	M1O	04-004/12:36:07.7	43	Acquisition Of X-Band Signal		
12490	M1O	04-004/12:36:07.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12491	M1O	04-004/12:36:39.2	34	Acquire D/L: X/08, 3-Way/43, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12492	M1O	04-004/12:36:39.2	43	Acquire D/L: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12493	M1O	04-004/12:37:29.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/12:27:59.2
12494	M1O	04-004/12:37:30.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/12:28:00.2
12495	M1O	04-004/12:37:46.2		NOTE: Exit Planetary Atmosphere 9122		04-004/12:28:16.0
12496	M1O	04-004/12:39:29.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/12:29:59.2
12497	M1O	04-004/12:39:30.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/12:30:00.2
12498	M1O	04-004/12:40:59.5	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
12499	M1O	04-004/12:41:29.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/12:31:59.2
12500	M1O	04-004/12:41:30.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/12:32:00.2
12501	M1O	04-004/12:41:39.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-004/12:32:09.0
12502	M1O	04-004/12:41:39.2	34	D/L Change: X/08, 3-Way/43, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12503	M1O	04-004/12:41:39.2	43	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12504	M1O	04-004/12:41:40.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/12:32:10.0
12505	M1O	04-004/12:41:40.1	34	D/L Change: X/08, 3-Way/43, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12506	M1O	04-004/12:41:40.1	43	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12507	M1O	04-004/12:41:40.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-004/12:32:10.0
12508	M1O	04-004/12:43:29.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/12:33:59.2
12509	M1O	04-004/12:43:30.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/12:34:00.2
12510	M1O	04-004/12:45:00.0	34	End Tracking		
12511	M1O	04-004/12:45:29.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/12:35:59.2
12512	M1O	04-004/12:45:30.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/12:36:00.2
12513	M1O	04-004/12:45:50.1		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-004/12:36:20.0
12514	M1O	04-004/12:46:05.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-002T12:36:20.100, 2004-004T12:36:20.100	PCKTS_RE_TX_TIME	04-004/12:36:35.8
12515	M1O	04-004/12:46:06.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-002T12:36:20.100, 2004-004T12:36:20.100	PCKTS_RE_TX_TIME	04-004/12:36:36.8
12516	M1O	04-004/12:46:07.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-002T12:36:20.100, 2004-004T12:36:20.100	PCKTS_RE_TX_TIME	04-004/12:36:37.8
12517	M1O	04-004/12:46:08.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-002T12:36:20.100, 2004-004T12:36:20.100	PCKTS_RE_TX_TIME	04-004/12:36:38.8
12518	M1O	04-004/12:46:09.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-002T12:36:20.100, 2004-004T12:36:20.100	PCKTS_RE_TX_TIME	04-004/12:36:39.8
12519	M1O	04-004/12:46:10.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-002T12:36:20.100, 2004-004T12:36:20.100	PCKTS_RE_TX_TIME	04-004/12:36:40.8
12520	M1O	04-004/12:46:10.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-004/12:36:40.8
12521	M1O	04-004/12:46:10.9	43	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12522	M1O	04-004/12:46:11.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/12:36:41.8
12523	M1O	04-004/12:46:11.9	43	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12524	M1O	04-004/12:47:29.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/12:37:59.2
12525	M1O	04-004/12:47:30.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/12:38:00.2
12526	M1O	04-004/12:48:02.0	43	NOTE: Below Uplink Interlock Limit		
12527	M1O	04-004/12:48:37.4		NOTE: Descending Node Crossing 9123		04-004/12:39:07.2
12528	M1O	04-004/12:49:29.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/12:39:59.2
12529	M1O	04-004/12:49:30.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/12:40:00.2
12530	M1O	04-004/12:51:29.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/12:41:59.2
12531	M1O	04-004/12:51:30.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/12:42:00.2
12532	M1O	04-004/12:53:12.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/12:43:41.8
12533	M1O	04-004/12:53:13.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-004/12:43:42.8
12534	M1O	04-004/12:53:29.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-004/12:43:58.8
12535	M1O	04-004/12:53:29.0	43	D/L RF Warning: SC antenna change - expect signal level variation		
12536	M1O	04-004/12:53:29.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/12:43:59.2
12537	M1O	04-004/12:53:30.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-004/12:43:59.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12538	M1O	04-004/12:53:30.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/12:44:00.2
12539	M1O	04-004/12:54:00.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12540	M1O	04-004/12:55:29.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/12:45:59.2
12541	M1O	04-004/12:55:30.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/12:46:00.2
12542	M1O	04-004/12:57:29.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/12:47:59.2
12543	M1O	04-004/12:57:30.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/12:48:00.2
12544	M1O	04-004/12:59:29.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/12:49:59.2
12545	M1O	04-004/12:59:30.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/12:50:00.2
12546	M1O	04-004/13:00:00.0	34	End Post-Cal		
12547	M1O	04-004/13:00:00.0	43	End Tracking		
12548	M1O	04-004/13:00:26.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/12:50:56.2
12549	M1O	04-004/13:00:27.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-004/12:50:57.3
12550	M1O	04-004/13:00:37.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-004/12:51:07.3
12551	M1O	04-004/13:00:38.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-004/12:51:08.3
12552	M1O	04-004/13:00:39.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-004/12:51:09.3
12553	M1O	04-004/13:00:40.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-004/12:51:10.3
12554	M1O	04-004/13:15:00.0	43	End Post-Cal		
12555	M1O	04-004/13:17:57.2		NOTE: South Pole Crossing 9123		04-004/13:08:26.9
12556	M1O	04-004/13:19:23.2		NOTE: Periapsis 9123 ----------		04-004/13:09:52.9
12557	M1O	04-004/13:46:07.5		NOTE: Enter Solar Eclipse 9123		04-004/13:36:37.1
12558	M1O	04-004/13:47:13.3		NOTE: Ascending Node Crossing 9123		04-004/13:37:42.9
12559	M1O	04-004/13:59:30.4		NOTE: Changing to 70M downlink rate: 110600_BPS		04-004/13:50:00.0
12560	M1O	04-004/13:59:30.4		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	04-004/13:50:00.0
12561	M1O	04-004/14:00:00.0	63	Begin Pre-Cal		
12562	M1O	04-004/14:00:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
12563	M1O	04-004/14:00:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
12564	M1O	04-004/14:00:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
12565	M1O	04-004/14:00:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
12566	M1O	04-004/14:00:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
12567	M1O	04-004/14:00:00.0	63	Config: RCV: Parms:		
12568	M1O	04-004/14:00:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
12569	M1O	04-004/14:00:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
12570	M1O	04-004/14:00:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
12571	M1O	04-004/14:07:05.3		NOTE: Exit Solar Eclipse 9123		04-004/13:57:34.9
12572	M1O	04-004/14:07:57.4		NOTE: ENTER HGA KEEP OUT ZONE		
12573	M1O	04-004/14:15:08.7		NOTE: Enter Planetary Atmosphere 9123		04-004/14:05:38.2
12574	M1O	04-004/14:16:46.1		NOTE: Enter Earth Occultation 9123		04-004/14:07:15.7
12575	M1O	04-004/14:17:08.6		NOTE: North Pole Crossing 9123		04-004/14:07:38.1
12576	M1O	04-004/14:19:19.3		NOTE: Apoapsis 9123 -		04-004/14:09:48.9
12577	M1O	04-004/14:26:57.5		NOTE: EXIT HGA KEEP OUT ZONE		
12578	M1O	04-004/14:34:38.0		NOTE: Exit Earth Occultation 9123		04-004/14:25:07.5
12579	M1O	04-004/14:36:16.5		NOTE: Exit Planetary Atmosphere 9123		04-004/14:26:46.0
12580	M1O	04-004/14:47:07.7		NOTE: Descending Node Crossing 9124		04-004/14:37:37.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12581	M1O	04-004/15:16:28.2		NOTE: South Pole Crossing 9124		04-004/15:06:57.6
12582	M1O	04-004/15:17:47.9		NOTE: Periapsis 9124 ----------		04-004/15:08:17.2
12583	M1O	04-004/15:29:35.6		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-004/15:20:04.9
12584	M1O	04-004/15:29:35.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/15:20:05.0
12585	M1O	04-004/15:29:36.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-004/15:20:06.0
12586	M1O	04-004/15:29:37.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-004/15:20:07.0
12587	M1O	04-004/15:29:38.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-004/15:20:08.0
12588	M1O	04-004/15:29:39.7		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-004/15:20:09.0
12589	M1O	04-004/15:29:49.7		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-004/15:20:19.0
12590	M1O	04-004/15:29:59.7		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-004/15:20:29.0
12591	M1O	04-004/15:30:00.0	63	Begin Tracking		
12592	M1O	04-004/15:30:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12593	M1O	04-004/15:34:59.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-004/15:25:29.0
12594	M1O	04-004/15:35:00.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-004/15:25:30.0
12595	M1O	04-004/15:35:00.7	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12596	M1O	04-004/15:35:01.7		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-004/15:25:31.0
12597	M1O	04-004/15:44:40.8		NOTE: Enter Solar Eclipse 9124		04-004/15:35:10.1
12598	M1O	04-004/15:45:45.4		NOTE: Ascending Node Crossing 9124		04-004/15:36:14.7
12599	M1O	04-004/16:05:25.8		SPAWN, Engine = 65535, Parameters = 3, 00:32:37.452, 1	dpt	04-004/15:55:55.0
12600	M1O	04-004/16:05:27.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/15:55:57.1
12601	M1O	04-004/16:05:27.9	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12602	M1O	04-004/16:05:28.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-004/15:55:58.1
12603	M1O	04-004/16:05:32.6		NOTE: Exit Solar Eclipse 9124		04-004/15:56:01.8
12604	M1O	04-004/16:06:27.8		NOTE: ENTER HGA KEEP OUT ZONE		
12605	M1O	04-004/16:06:27.8	63	NOTE: Loss Of X-Band Signal		
12606	M1O	04-004/16:13:48.1		NOTE: Enter Planetary Atmosphere 9124		04-004/16:04:17.3
12607	M1O	04-004/16:15:26.7		NOTE: Enter Earth Occultation 9124		04-004/16:05:55.9
12608	M1O	04-004/16:15:41.7		NOTE: North Pole Crossing 9124		04-004/16:06:10.8
12609	M1O	04-004/16:17:59.3		NOTE: Apoapsis 9124 -		04-004/16:08:28.4
12610	M1O	04-004/16:25:27.8		NOTE: EXIT HGA KEEP OUT ZONE		
12611	M1O	04-004/16:33:05.3		NOTE: Exit Earth Occultation 9124		04-004/16:23:34.4
12612	M1O	04-004/16:33:05.3	63	Acquisition Of X-Band Signal		
12613	M1O	04-004/16:33:05.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12614	M1O	04-004/16:34:44.9		NOTE: Exit Planetary Atmosphere 9124		04-004/16:25:14.0
12615	M1O	04-004/16:38:05.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-004/16:28:34.5
12616	M1O	04-004/16:38:05.4	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12617	M1O	04-004/16:38:06.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-004/16:28:35.5
12618	M1O	04-004/16:45:41.9		NOTE: Descending Node Crossing 9125		04-004/16:36:10.9
12619	M1O	04-004/17:15:02.8		NOTE: South Pole Crossing 9125		04-004/17:05:31.8
12620	M1O	04-004/17:16:29.0		NOTE: Periapsis 9125 ----------		04-004/17:06:58.0
12621	M1O	04-004/17:27:28.0		SPAWN, Engine = 65535, Parameters = 004, 03, FALSE, 00:15:09.254, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-004/17:17:57.0
12622	M1O	04-004/17:27:29.1		Passes the specified amount of data, data size parameter, through the PACI interface.:	GRS_PASS_THROUGH	04-004/17:17:58.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000		
12623	M1O	04-004/17:27:31.1		CALL, Engine = , Parameters = 254	get_cmd_opt	04-004/17:18:00.1
12624	M1O	04-004/17:28:13.3		CALL, Engine = , Parameters = 254	get_apid	04-004/17:18:42.3
12625	M1O	04-004/17:28:14.4		CALL, Engine = , Parameters = 254	get_rcv_mode	04-004/17:18:43.4
12626	M1O	04-004/17:28:14.6		CALL, Engine = , Parameters = 254	get_dl_rate	04-004/17:18:43.6
12627	M1O	04-004/17:28:15.7		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-004/17:18:44.7
12628	M1O	04-004/17:28:17.0		CALL, Engine = , Parameters = 254	get_coding	04-004/17:18:46.0
12629	M1O	04-004/17:28:18.2		CALL, Engine = , Parameters = 254	get_xmt_mode	04-004/17:18:47.2
12630	M1O	04-004/17:28:19.4		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-004/17:18:48.4
12631	M1O	04-004/17:29:24.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-004/17:19:53.2
12632	M1O	04-004/17:29:25.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-004/17:19:54.2
12633	M1O	04-004/17:29:26.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-004/17:19:55.2
12634	M1O	04-004/17:29:27.2		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-004/17:19:56.2
12635	M1O	04-004/17:29:28.2		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-004/17:19:57.2
12636	M1O	04-004/17:29:29.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-004/17:19:58.2
12637	M1O	04-004/17:29:30.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/17:19:59.2
12638	M1O	04-004/17:43:15.3		NOTE: Enter Solar Eclipse 9125		04-004/17:33:44.2
12639	M1O	04-004/17:44:20.1		NOTE: Ascending Node Crossing 9125		04-004/17:34:49.0
12640	M1O	04-004/17:44:35.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/17:35:04.4
12641	M1O	04-004/17:44:36.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-004/17:35:05.5
12642	M1O	04-004/17:44:46.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-004/17:35:15.5
12643	M1O	04-004/17:44:47.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-004/17:35:16.5
12644	M1O	04-004/18:04:02.8		NOTE: Exit Solar Eclipse 9125		04-004/17:54:31.7
12645	M1O	04-004/18:04:19.0		SPAWN, Engine = 65535, Parameters = 3, 00:32:15.921, 1	dpt	04-004/17:54:47.8
12646	M1O	04-004/18:04:21.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/17:54:49.9
12647	M1O	04-004/18:04:21.1	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12648	M1O	04-004/18:04:22.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-004/17:54:50.9
12649	M1O	04-004/18:05:22.1		NOTE: ENTER HGA KEEP OUT ZONE		
12650	M1O	04-004/18:05:22.1	63	NOTE: Loss Of X-Band Signal		
12651	M1O	04-004/18:12:29.8		NOTE: Enter Planetary Atmosphere 9125		04-004/18:02:58.6
12652	M1O	04-004/18:14:09.3		NOTE: Enter Earth Occultation 9125		04-004/18:04:38.1
12653	M1O	04-004/18:14:17.5		NOTE: North Pole Crossing 9125		04-004/18:04:46.3
12654	M1O	04-004/18:16:30.1		NOTE: Apoapsis 9125 -		04-004/18:06:58.9
12655	M1O	04-004/18:24:02.2		NOTE: EXIT HGA KEEP OUT ZONE		
12656	M1O	04-004/18:31:37.0		NOTE: Exit Earth Occultation 9125		04-004/18:22:05.8
12657	M1O	04-004/18:31:37.0	63	Acquisition Of X-Band Signal		
12658	M1O	04-004/18:31:37.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12659	M1O	04-004/18:33:17.6		NOTE: Exit Planetary Atmosphere 9125		04-004/18:23:46.3
12660	M1O	04-004/18:36:37.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-004/18:27:05.9
12661	M1O	04-004/18:36:37.1	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12662	M1O	04-004/18:36:38.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-004/18:27:06.9
12663	M1O	04-004/18:44:19.0		NOTE: Descending Node Crossing 9126		04-004/18:34:47.7
12664	M1O	04-004/19:00:00.0	26	Begin Pre-Cal		
12665	M1O	04-004/19:00:00.0	26	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
12666	M1O	04-004/19:00:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12667	M1O	04-004/19:00:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
12668	M1O	04-004/19:00:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
12669	M1O	04-004/19:00:00.0	26	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
12670	M1O	04-004/19:00:00.0	26	Config: RCV: Parms:		
12671	M1O	04-004/19:00:00.0	26	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
12672	M1O	04-004/19:00:00.0	26	Config: TGC: BAND=X, SR=221200.000000		
12673	M1O	04-004/19:00:00.0	26	Config: TXL		
12674	M1O	04-004/19:00:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
12675	M1O	04-004/19:00:00.0	26	Config: CMD		
12676	M1O	04-004/19:00:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
12677	M1O	04-004/19:13:39.8		NOTE: South Pole Crossing 9126		04-004/19:04:08.4
12678	M1O	04-004/19:15:07.1		NOTE: Periapsis 9126 ----------		04-004/19:05:35.7
12679	M1O	04-004/19:23:41.4		SPAWN, Engine = 65535, Parameters = 004, 04, TRUE, 00:17:55, 254, FALSE, 32_KPS, 00:05:00, 00:00:00	uhf	04-004/19:14:10.0
12680	M1O	04-004/19:23:41.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/19:14:10.5
12681	M1O	04-004/19:23:41.9	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12682	M1O	04-004/19:23:42.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-004/19:14:11.1
12683	M1O	04-004/19:23:44.5		CALL, Engine = , Parameters = 254	get_cmd_opt	04-004/19:14:13.1
12684	M1O	04-004/19:23:44.8		CALL, Engine = , Parameters = 004, 04, 254	bld_autosw	04-004/19:14:13.4
12685	M1O	04-004/19:23:45.9		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-004/19:14:14.5
12686	M1O	04-004/19:23:47.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/19:14:15.6
12687	M1O	04-004/19:23:48.0		Deletes the designated file.: d:/dat/254_doy004_pass04_file01.dat	FILE_DELETE	04-004/19:14:16.6
12688	M1O	04-004/19:23:49.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/19:14:17.7
12689	M1O	04-004/19:23:50.1		Deletes the designated file.: d:/dat/254_doy004_pass04_file02.dat	FILE_DELETE	04-004/19:14:18.7
12690	M1O	04-004/19:23:51.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/19:14:19.8
12691	M1O	04-004/19:23:52.2		Deletes the designated file.: d:/dat/254_doy004_pass04_file03.dat	FILE_DELETE	04-004/19:14:20.8
12692	M1O	04-004/19:23:53.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/19:14:21.9
12693	M1O	04-004/19:23:54.3		Deletes the designated file.: d:/dat/254_doy004_pass04_file04.dat	FILE_DELETE	04-004/19:14:22.9
12694	M1O	04-004/19:23:55.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/19:14:24.0
12695	M1O	04-004/19:23:56.4		Deletes the designated file.: d:/dat/254_doy004_pass04_file05.dat	FILE_DELETE	04-004/19:14:25.0
12696	M1O	04-004/19:23:57.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/19:14:26.1
12697	M1O	04-004/19:23:58.5		Deletes the designated file.: d:/dat/254_doy004_pass04_file06.dat	FILE_DELETE	04-004/19:14:27.1
12698	M1O	04-004/19:23:59.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/19:14:28.2
12699	M1O	04-004/19:24:00.6		Deletes the designated file.: d:/dat/254_doy004_pass04_file07.dat	FILE_DELETE	04-004/19:14:29.2
12700	M1O	04-004/19:24:01.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/19:14:30.3
12701	M1O	04-004/19:24:02.7		Deletes the designated file.: d:/dat/254_doy004_pass04_file08.dat	FILE_DELETE	04-004/19:14:31.3
12702	M1O	04-004/19:24:03.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/19:14:32.4
12703	M1O	04-004/19:24:04.8		Deletes the designated file.: d:/dat/254_doy004_pass04_file09.dat	FILE_DELETE	04-004/19:14:33.4
12704	M1O	04-004/19:24:05.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/19:14:34.5
12705	M1O	04-004/19:24:06.9		Deletes the designated file.: d:/dat/254_doy004_pass04_file10.dat	FILE_DELETE	04-004/19:14:35.5
12706	M1O	04-004/19:24:08.0		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-004/19:14:36.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_doy004_pass04_file11.dat, d:/dat/autoswitch.dat		
12707	M1O	04-004/19:24:09.0		Deletes the designated file.: d:/dat/254_doy004_pass04_file11.dat	FILE_DELETE	04-004/19:14:37.6
12708	M1O	04-004/19:24:10.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/19:14:38.7
12709	M1O	04-004/19:24:11.1		Deletes the designated file.: d:/dat/254_doy004_pass04_file12.dat	FILE_DELETE	04-004/19:14:39.7
12710	M1O	04-004/19:24:12.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/19:14:40.8
12711	M1O	04-004/19:24:13.2		Deletes the designated file.: d:/dat/254_doy004_pass04_file13.dat	FILE_DELETE	04-004/19:14:41.8
12712	M1O	04-004/19:24:14.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/19:14:42.9
12713	M1O	04-004/19:24:15.3		Deletes the designated file.: d:/dat/254_doy004_pass04_file14.dat	FILE_DELETE	04-004/19:14:43.9
12714	M1O	04-004/19:24:16.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/19:14:45.0
12715	M1O	04-004/19:24:17.4		Deletes the designated file.: d:/dat/254_doy004_pass04_file15.dat	FILE_DELETE	04-004/19:14:46.0
12716	M1O	04-004/19:24:18.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/19:14:47.1
12717	M1O	04-004/19:24:19.5		Deletes the designated file.: d:/dat/254_doy004_pass04_file16.dat	FILE_DELETE	04-004/19:14:48.1
12718	M1O	04-004/19:24:20.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/19:14:49.2
12719	M1O	04-004/19:24:21.6		Deletes the designated file.: d:/dat/254_doy004_pass04_file17.dat	FILE_DELETE	04-004/19:14:50.2
12720	M1O	04-004/19:24:22.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/19:14:51.3
12721	M1O	04-004/19:24:23.7		Deletes the designated file.: d:/dat/254_doy004_pass04_file18.dat	FILE_DELETE	04-004/19:14:52.3
12722	M1O	04-004/19:24:24.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/19:14:53.4
12723	M1O	04-004/19:24:25.8		Deletes the designated file.: d:/dat/254_doy004_pass04_file19.dat	FILE_DELETE	04-004/19:14:54.4
12724	M1O	04-004/19:24:26.8		CALL, Engine = , Parameters = 254	get_apid	04-004/19:14:55.4
12725	M1O	04-004/19:24:27.9		CALL, Engine = , Parameters = 254	get_rcv_mode	04-004/19:14:56.5
12726	M1O	04-004/19:24:28.1		CALL, Engine = , Parameters = 254	get_dl_rate	04-004/19:14:56.7
12727	M1O	04-004/19:24:29.2		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-004/19:14:57.8
12728	M1O	04-004/19:24:30.5		CALL, Engine = , Parameters = 254	get_coding	04-004/19:14:59.1
12729	M1O	04-004/19:24:31.7		CALL, Engine = , Parameters = 254	get_xmt_mode	04-004/19:15:00.3
12730	M1O	04-004/19:24:32.9		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-004/19:15:01.5
12731	M1O	04-004/19:25:37.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-004/19:16:06.3
12732	M1O	04-004/19:25:38.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-004/19:16:07.3
12733	M1O	04-004/19:25:39.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-004/19:16:08.3
12734	M1O	04-004/19:25:40.7		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-004/19:16:09.3
12735	M1O	04-004/19:25:41.7		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-004/19:16:10.3
12736	M1O	04-004/19:25:42.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-004/19:16:11.3
12737	M1O	04-004/19:25:43.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/19:16:12.3
12738	M1O	04-004/19:30:33.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/19:21:02.3
12739	M1O	04-004/19:30:43.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-004/19:21:12.3
12740	M1O	04-004/19:41:51.2		NOTE: Enter Solar Eclipse 9126		04-004/19:32:19.8
12741	M1O	04-004/19:42:56.7		NOTE: Ascending Node Crossing 9126		04-004/19:33:25.2
12742	M1O	04-004/19:43:36.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/19:34:05.3
12743	M1O	04-004/19:43:37.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-004/19:34:06.4
12744	M1O	04-004/19:43:47.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-004/19:34:16.4
12745	M1O	04-004/19:43:48.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-004/19:34:17.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12746	M1O	04-004/19:43:49.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-004/19:34:18.4
12747	M1O	04-004/19:43:49.8	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12748	M1O	04-004/19:43:50.8		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-004/19:34:19.4
12749	M1O	04-004/19:48:49.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-004/19:39:18.0
12750	M1O	04-004/19:48:49.5	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12751	M1O	04-004/20:00:00.0	26	Begin Tracking		
12752	M1O	04-004/20:00:00.0	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12753	M1O	04-004/20:02:37.8		NOTE: Exit Solar Eclipse 9126		04-004/19:53:06.3
12754	M1O	04-004/20:02:56.5		SPAWN, Engine = 65535, Parameters = 3, 00:36:04.078, 1	dpt	04-004/19:53:25.0
12755	M1O	04-004/20:02:58.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/19:53:27.1
12756	M1O	04-004/20:02:58.6	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12757	M1O	04-004/20:02:58.6	26	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12758	M1O	04-004/20:02:59.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-004/19:53:28.1
12759	M1O	04-004/20:03:58.5		NOTE: ENTER HGA KEEP OUT ZONE		
12760	M1O	04-004/20:03:58.5	63	NOTE: Loss Of X-Band Signal		
12761	M1O	04-004/20:03:58.5	26	NOTE: Loss Of X-Band Signal		
12762	M1O	04-004/20:11:07.4		NOTE: Enter Planetary Atmosphere 9126		04-004/20:01:35.8
12763	M1O	04-004/20:12:20.0	26	NOTE: Above Uplink Interlock Limit		
12764	M1O	04-004/20:12:47.0		NOTE: Enter Earth Occultation 9126		04-004/20:03:15.4
12765	M1O	04-004/20:12:54.3		NOTE: North Pole Crossing 9126		04-004/20:03:22.7
12766	M1O	04-004/20:14:55.3		NOTE: Apoapsis 9126 -		04-004/20:05:23.7
12767	M1O	04-004/20:15:00.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12768	M1O	04-004/20:20:00.0	26	Range Modulation On: SUP=3.0dB		
12769	M1O	04-004/20:21:00.0	26	Begin Ranging Acquisition		
12770	M1O	04-004/20:22:38.6		NOTE: EXIT HGA KEEP OUT ZONE		
12771	M1O	04-004/20:30:13.4		NOTE: Exit Earth Occultation 9126		04-004/20:20:41.8
12772	M1O	04-004/20:30:13.4	63	Acquisition Of X-Band Signal		
12773	M1O	04-004/20:30:13.4	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12774	M1O	04-004/20:30:13.4	26	Acquisition Of X-Band Signal		
12775	M1O	04-004/20:30:13.4	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12776	M1O	04-004/20:31:54.0		NOTE: Exit Planetary Atmosphere 9126		04-004/20:22:22.4
12777	M1O	04-004/20:34:03.1	63	Acquire D/L: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12778	M1O	04-004/20:34:03.1	26	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12779	M1O	04-004/20:39:02.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-004/20:29:31.1
12780	M1O	04-004/20:39:02.8	63	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12781	M1O	04-004/20:39:02.8	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12782	M1O	04-004/20:39:03.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-004/20:29:32.1
12783	M1O	04-004/20:42:55.9		NOTE: Descending Node Crossing 9127		04-004/20:33:24.2
12784	M1O	04-004/21:12:16.7		NOTE: South Pole Crossing 9127		04-004/21:02:44.9
12785	M1O	04-004/21:13:39.5		NOTE: Periapsis 9127 ----------		04-004/21:04:07.7
12786	M1O	04-004/21:28:31.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
12787	M1O	04-004/21:38:31.0	26	Range Modulation Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12788	M1O	04-004/21:40:28.1		NOTE: Enter Solar Eclipse 9127		04-004/21:30:56.2
12789	M1O	04-004/21:41:33.6		NOTE: Ascending Node Crossing 9127		04-004/21:32:01.7
12790	M1O	04-004/21:43:31.0	26	X-Band Transmitter Off		
12791	M1O	04-004/22:01:16.1		NOTE: Exit Solar Eclipse 9127		04-004/21:51:44.2
12792	M1O	04-004/22:01:31.9		SPAWN, Engine = 65535, Parameters = 3, 00:32:50, 1	dpt	04-004/21:52:00.0
12793	M1O	04-004/22:01:34.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/21:52:02.1
12794	M1O	04-004/22:01:34.0	63	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12795	M1O	04-004/22:01:34.0	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12796	M1O	04-004/22:01:35.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-004/21:52:03.1
12797	M1O	04-004/22:02:34.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12798	M1O	04-004/22:02:34.7	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12799	M1O	04-004/22:02:35.9		NOTE: ENTER HGA KEEP OUT ZONE		
12800	M1O	04-004/22:02:35.9	63	NOTE: Loss Of X-Band Signal		
12801	M1O	04-004/22:02:35.9	26	NOTE: Loss Of X-Band Signal		
12802	M1O	04-004/22:09:39.5		NOTE: Enter Planetary Atmosphere 9127		04-004/22:00:07.5
12803	M1O	04-004/22:10:21.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12804	M1O	04-004/22:11:18.5		NOTE: Enter Earth Occultation 9127		04-004/22:01:46.5
12805	M1O	04-004/22:11:30.3		NOTE: North Pole Crossing 9127		04-004/22:01:58.4
12806	M1O	04-004/22:13:19.1		NOTE: Apoapsis 9127 -		04-004/22:03:47.1
12807	M1O	04-004/22:15:21.0	26	Range Modulation On: SUP=3.0dB		
12808	M1O	04-004/22:16:21.0	26	Begin Ranging Acquisition		
12809	M1O	04-004/22:20:55.9		NOTE: EXIT HGA KEEP OUT ZONE		
12810	M1O	04-004/22:28:52.0		NOTE: Exit Earth Occultation 9127		04-004/22:19:20.0
12811	M1O	04-004/22:28:52.0	63	Acquisition Of X-Band Signal		
12812	M1O	04-004/22:28:52.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12813	M1O	04-004/22:28:52.0	26	Acquisition Of X-Band Signal		
12814	M1O	04-004/22:28:52.0	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12815	M1O	04-004/22:29:24.8	63	Acquire D/L: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12816	M1O	04-004/22:29:24.8	26	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12817	M1O	04-004/22:30:32.0		NOTE: Exit Planetary Atmosphere 9127		04-004/22:21:00.0
12818	M1O	04-004/22:34:24.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-004/22:24:52.1
12819	M1O	04-004/22:34:24.1	63	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12820	M1O	04-004/22:34:24.1	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12821	M1O	04-004/22:34:25.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-004/22:24:53.1
12822	M1O	04-004/22:41:30.8		NOTE: Descending Node Crossing 9128		04-004/22:31:58.7
12823	M1O	04-004/23:10:51.5		NOTE: South Pole Crossing 9128		04-004/23:01:19.4
12824	M1O	04-004/23:12:17.1		NOTE: Periapsis 9128 ----------		04-004/23:02:45.0
12825	M1O	04-004/23:26:34.0	63	NOTE: Below Uplink Interlock Limit		
12826	M1O	04-004/23:27:05.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
12827	M1O	04-004/23:33:42.1		SPAWN, Engine = 65535, Parameters = 004, 03, TRUE, 00:17:50.867, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-004/23:24:10.0
12828	M1O	04-004/23:33:42.6		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-004/23:24:10.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
12829	M1O	04-004/23:33:42.6	63	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12830	M1O	04-004/23:33:42.6	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12831	M1O	04-004/23:33:43.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-004/23:24:11.1
12832	M1O	04-004/23:33:45.2		CALL, Engine = , Parameters = 56	get_cmd_opt	04-004/23:24:13.1
12833	M1O	04-004/23:33:45.5		CALL, Engine = , Parameters = 004, 03, 056	bld_autosw	04-004/23:24:13.4
12834	M1O	04-004/23:33:46.6		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-004/23:24:14.5
12835	M1O	04-004/23:33:47.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/23:24:15.6
12836	M1O	04-004/23:33:48.7		Deletes the designated file.: d:/dat/056_doy004_pass03_file01.dat	FILE_DELETE	04-004/23:24:16.6
12837	M1O	04-004/23:33:49.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/23:24:17.7
12838	M1O	04-004/23:33:50.8		Deletes the designated file.: d:/dat/056_doy004_pass03_file02.dat	FILE_DELETE	04-004/23:24:18.7
12839	M1O	04-004/23:33:51.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/23:24:19.8
12840	M1O	04-004/23:33:52.9		Deletes the designated file.: d:/dat/056_doy004_pass03_file03.dat	FILE_DELETE	04-004/23:24:20.8
12841	M1O	04-004/23:33:54.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/23:24:21.9
12842	M1O	04-004/23:33:55.0		Deletes the designated file.: d:/dat/056_doy004_pass03_file04.dat	FILE_DELETE	04-004/23:24:22.9
12843	M1O	04-004/23:33:56.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/23:24:24.0
12844	M1O	04-004/23:33:57.1		Deletes the designated file.: d:/dat/056_doy004_pass03_file05.dat	FILE_DELETE	04-004/23:24:25.0
12845	M1O	04-004/23:33:58.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/23:24:26.1
12846	M1O	04-004/23:33:59.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-004/23:24:26.8
12847	M1O	04-004/23:33:59.2		Deletes the designated file.: d:/dat/056_doy004_pass03_file06.dat	FILE_DELETE	04-004/23:24:27.1
12848	M1O	04-004/23:34:00.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/23:24:28.2
12849	M1O	04-004/23:34:01.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/23:24:28.9
12850	M1O	04-004/23:34:01.3		Deletes the designated file.: d:/dat/056_doy004_pass03_file07.dat	FILE_DELETE	04-004/23:24:29.2
12851	M1O	04-004/23:34:02.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-004/23:24:29.9
12852	M1O	04-004/23:34:02.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/23:24:30.3
12853	M1O	04-004/23:34:03.4		Deletes the designated file.: d:/dat/056_doy004_pass03_file08.dat	FILE_DELETE	04-004/23:24:31.3
12854	M1O	04-004/23:34:04.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/23:24:32.4
12855	M1O	04-004/23:34:05.5		Deletes the designated file.: d:/dat/056_doy004_pass03_file09.dat	FILE_DELETE	04-004/23:24:33.4
12856	M1O	04-004/23:34:06.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/23:24:34.5
12857	M1O	04-004/23:34:07.6		Deletes the designated file.: d:/dat/056_doy004_pass03_file10.dat	FILE_DELETE	04-004/23:24:35.5
12858	M1O	04-004/23:34:08.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/23:24:36.6
12859	M1O	04-004/23:34:09.7		Deletes the designated file.: d:/dat/056_doy004_pass03_file11.dat	FILE_DELETE	04-004/23:24:37.6
12860	M1O	04-004/23:34:10.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/23:24:38.7
12861	M1O	04-004/23:34:11.9		Deletes the designated file.: d:/dat/056_doy004_pass03_file12.dat	FILE_DELETE	04-004/23:24:39.7
12862	M1O	04-004/23:34:13.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/23:24:40.8
12863	M1O	04-004/23:34:14.0		Deletes the designated file.: d:/dat/056_doy004_pass03_file13.dat	FILE_DELETE	04-004/23:24:41.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12864	M1O	04-004/23:34:15.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/23:24:42.9
12865	M1O	04-004/23:34:16.1		Deletes the designated file.: d:/dat/056_doy004_pass03_file14.dat	FILE_DELETE	04-004/23:24:43.9
12866	M1O	04-004/23:34:17.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/23:24:45.0
12867	M1O	04-004/23:34:18.2		Deletes the designated file.: d:/dat/056_doy004_pass03_file15.dat	FILE_DELETE	04-004/23:24:46.0
12868	M1O	04-004/23:34:19.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/23:24:47.1
12869	M1O	04-004/23:34:20.3		Deletes the designated file.: d:/dat/056_doy004_pass03_file16.dat	FILE_DELETE	04-004/23:24:48.1
12870	M1O	04-004/23:34:21.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/23:24:49.2
12871	M1O	04-004/23:34:22.4		Deletes the designated file.: d:/dat/056_doy004_pass03_file17.dat	FILE_DELETE	04-004/23:24:50.2
12872	M1O	04-004/23:34:23.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/23:24:51.3
12873	M1O	04-004/23:34:24.5		Deletes the designated file.: d:/dat/056_doy004_pass03_file18.dat	FILE_DELETE	04-004/23:24:52.3
12874	M1O	04-004/23:34:25.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/23:24:53.4
12875	M1O	04-004/23:34:26.6		Deletes the designated file.: d:/dat/056_doy004_pass03_file19.dat	FILE_DELETE	04-004/23:24:54.4
12876	M1O	04-004/23:34:27.6		CALL, Engine = , Parameters = 56	get_apid	04-004/23:24:55.4
12877	M1O	04-004/23:34:28.7		CALL, Engine = , Parameters = 56	get_rcv_mode	04-004/23:24:56.5
12878	M1O	04-004/23:34:28.9		CALL, Engine = , Parameters = 56	get_dl_rate	04-004/23:24:56.7
12879	M1O	04-004/23:34:30.0		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-004/23:24:57.8
12880	M1O	04-004/23:34:31.2		CALL, Engine = , Parameters = 56	get_coding	04-004/23:24:59.0
12881	M1O	04-004/23:34:32.4		CALL, Engine = , Parameters = 56	get_xmt_mode	04-004/23:25:00.2
12882	M1O	04-004/23:34:33.6		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-004/23:25:01.4
12883	M1O	04-004/23:35:00.0	63	End Tracking		
12884	M1O	04-004/23:35:01.0		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-004/23:25:28.8
12885	M1O	04-004/23:35:01.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	04-004/23:25:28.8
12886	M1O	04-004/23:35:01.0	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12887	M1O	04-004/23:35:38.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-004/23:26:06.2
12888	M1O	04-004/23:35:39.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-004/23:26:07.2
12889	M1O	04-004/23:35:40.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-004/23:26:08.2
12890	M1O	04-004/23:35:41.4		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-004/23:26:09.2
12891	M1O	04-004/23:35:42.4		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-004/23:26:10.2
12892	M1O	04-004/23:35:43.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-004/23:26:11.2
12893	M1O	04-004/23:35:44.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/23:26:12.2
12894	M1O	04-004/23:36:34.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/23:27:02.2
12895	M1O	04-004/23:36:44.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-004/23:27:12.2
12896	M1O	04-004/23:37:05.0	26	Range Modulation Off		
12897	M1O	04-004/23:38:45.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/23:29:13.2
12898	M1O	04-004/23:38:46.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/23:29:14.2
12899	M1O	04-004/23:39:02.3		NOTE: Enter Solar Eclipse 9128		04-004/23:29:30.0
12900	M1O	04-004/23:40:01.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-004/23:30:28.9
12901	M1O	04-004/23:40:01.1	26	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12902	M1O	04-004/23:40:02.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/23:30:29.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12903	M1O	04-004/23:40:02.1	26	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12904	M1O	04-004/23:40:02.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-004/23:30:29.9
12905	M1O	04-004/23:40:08.3		NOTE: Ascending Node Crossing 9128		04-004/23:30:36.1
12906	M1O	04-004/23:40:45.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/23:31:13.2
12907	M1O	04-004/23:40:46.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/23:31:14.2
12908	M1O	04-004/23:42:05.0	26	X-Band Transmitter Off		
12909	M1O	04-004/23:42:45.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/23:33:13.2
12910	M1O	04-004/23:42:46.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/23:33:14.2
12911	M1O	04-004/23:44:45.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/23:35:13.2
12912	M1O	04-004/23:44:46.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/23:35:14.2
12913	M1O	04-004/23:46:45.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/23:37:13.2
12914	M1O	04-004/23:46:46.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/23:37:14.2
12915	M1O	04-004/23:48:45.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/23:39:13.2
12916	M1O	04-004/23:48:46.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/23:39:14.2
12917	M1O	04-004/23:50:00.0	63	End Post-Cal		
12918	M1O	04-004/23:50:45.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/23:41:13.2
12919	M1O	04-004/23:50:46.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/23:41:14.2
12920	M1O	04-004/23:52:45.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/23:43:13.2
12921	M1O	04-004/23:52:46.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-004/23:43:14.2
12922	M1O	04-004/23:53:33.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-004/23:44:01.0
12923	M1O	04-004/23:53:34.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-004/23:44:02.1
12924	M1O	04-004/23:53:44.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-004/23:44:12.1
12925	M1O	04-004/23:53:45.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-004/23:44:13.1
12926	M1O	04-004/23:53:46.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-004/23:44:14.1
12927	M1O	04-004/23:53:46.4	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12928	M1O	04-004/23:53:47.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-004/23:44:15.1
12929	M1O	04-004/23:58:46.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-004/23:49:13.8
12930	M1O	04-004/23:58:46.1	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12931	M1O	04-004/23:59:53.8		NOTE: Exit Solar Eclipse 9128		04-004/23:50:21.6
12932	M1O	04-005/00:00:00.0		Light Time: OWLT = 09:32, RTLT = 19:04		
12933	M1O	04-005/00:00:05.2		SPAWN, Engine = 65535, Parameters = 3, 00:32:52.231, 1	dpt	04-004/23:50:32.9
12934	M1O	04-005/00:00:07.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/23:50:35.0
12935	M1O	04-005/00:00:07.3	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12936	M1O	04-005/00:00:08.3		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-004/23:50:36.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
12937	M1O	04-005/00:01:09.4	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12938	M1O	04-005/00:01:10.2		NOTE: ENTER HGA KEEP OUT ZONE		
12939	M1O	04-005/00:01:10.2	26	NOTE: Loss Of X-Band Signal		
12940	M1O	04-005/00:08:07.7		NOTE: Enter Planetary Atmosphere 9128		04-004/23:58:35.4
12941	M1O	04-005/00:08:55.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12942	M1O	04-005/00:09:46.0		NOTE: Enter Earth Occultation 9128		04-005/00:00:13.7
12943	M1O	04-005/00:10:03.9		NOTE: North Pole Crossing 9128		04-005/00:00:31.6
12944	M1O	04-005/00:12:02.3		NOTE: Apoapsis 9128 -		04-005/00:02:30.0
12945	M1O	04-005/00:13:55.0	26	Range Modulation On: SUP=3.0dB		
12946	M1O	04-005/00:14:55.0	26	Begin Ranging Acquisition		
12947	M1O	04-005/00:19:30.3		NOTE: EXIT HGA KEEP OUT ZONE		
12948	M1O	04-005/00:27:28.1		NOTE: Exit Earth Occultation 9128		04-005/00:17:55.7
12949	M1O	04-005/00:27:28.1	26	Acquisition Of X-Band Signal		
12950	M1O	04-005/00:27:28.1	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12951	M1O	04-005/00:27:59.6	26	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12952	M1O	04-005/00:29:07.4		NOTE: Exit Planetary Atmosphere 9128		04-005/00:19:35.0
12953	M1O	04-005/00:29:40.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
12954	M1O	04-005/00:32:59.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-005/00:23:27.2
12955	M1O	04-005/00:32:59.6	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12956	M1O	04-005/00:33:00.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-005/00:23:28.2
12957	M1O	04-005/00:39:40.0	26	Range Modulation Off		
12958	M1O	04-005/00:40:03.3		NOTE: Descending Node Crossing 9129		04-005/00:30:30.9
12959	M1O	04-005/00:44:40.0	26	X-Band Transmitter Off		
12960	M1O	04-005/00:53:03.4		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-005/00:43:31.0
12961	M1O	04-005/00:53:03.5		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-005/00:43:31.1
12962	M1O	04-005/00:53:04.5		Forces a desaturation of the reaction wheels.	RW_DESAT	04-005/00:43:32.1
12963	M1O	04-005/00:55:34.4		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-005/00:46:02.0
12964	M1O	04-005/00:55:50.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-003T00:46:02.100, 2004-005T00:46:02.100	PCKTS_RE_TX_TIME	04-005/00:46:17.8
12965	M1O	04-005/00:55:51.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-003T00:46:02.100, 2004-005T00:46:02.100	PCKTS_RE_TX_TIME	04-005/00:46:18.8
12966	M1O	04-005/00:55:52.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-003T00:46:02.100, 2004-005T00:46:02.100	PCKTS_RE_TX_TIME	04-005/00:46:19.8
12967	M1O	04-005/00:55:53.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-003T00:46:02.100, 2004-005T00:46:02.100	PCKTS_RE_TX_TIME	04-005/00:46:20.8
12968	M1O	04-005/00:55:54.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-003T00:46:02.100, 2004-005T00:46:02.100	PCKTS_RE_TX_TIME	04-005/00:46:21.8
12969	M1O	04-005/00:55:55.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-003T00:46:02.100, 2004-005T00:46:02.100	PCKTS_RE_TX_TIME	04-005/00:46:22.8
12970	M1O	04-005/00:55:55.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-005/00:46:22.8
12971	M1O	04-005/00:55:55.2	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12972	M1O	04-005/01:02:56.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/00:53:23.8
12973	M1O	04-005/01:02:56.2	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
12974	M1O	04-005/01:02:57.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-005/00:53:24.8
12975	M1O	04-005/01:03:13.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-005/00:53:40.8
12976	M1O	04-005/01:03:13.2	26	D/L RF Warning: SC antenna change - expect signal level variation		
12977	M1O	04-005/01:03:14.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-005/00:53:41.8
12978	M1O	04-005/01:03:44.8	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12979	M1O	04-005/01:04:34.5		CALL, Engine = , Parameters = FALSE	park_hga	04-005/00:55:02.1
12980	M1O	04-005/01:04:34.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/00:55:02.1
12981	M1O	04-005/01:04:35.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-005/00:55:03.1
12982	M1O	04-005/01:04:36.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-005/00:55:04.1
12983	M1O	04-005/01:04:36.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-005/00:55:04.1
12984	M1O	04-005/01:04:36.5		NOTE: START HGA PARK		
12985	M1O	04-005/01:04:36.5	26	NOTE: Loss Of X-Band Signal		
12986	M1O	04-005/01:04:37.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-005/00:55:05.1
12987	M1O	04-005/01:04:38.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-005/00:55:06.1
12988	M1O	04-005/01:09:08.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-005/00:59:36.1
12989	M1O	04-005/01:09:23.4		NOTE: South Pole Crossing 9129		04-005/00:59:50.9
12990	M1O	04-005/01:10:49.1		NOTE: Periapsis 9129 ----------		04-005/01:01:16.6
12991	M1O	04-005/01:12:38.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-005/01:03:06.1
12992	M1O	04-005/01:12:38.6		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-005/01:03:06.1
12993	M1O	04-005/01:31:58.5		SPAWN, Engine = 65535, Parameters = 005, 01, TRUE, 00:16:05.846, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-005/01:22:26.0
12994	M1O	04-005/01:31:59.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-005/01:22:27.1
12995	M1O	04-005/01:32:01.6		CALL, Engine = , Parameters = 56	get_cmd_opt	04-005/01:22:29.1
12996	M1O	04-005/01:32:01.9		CALL, Engine = , Parameters = 005, 01, 056	bld_autosw	04-005/01:22:29.4
12997	M1O	04-005/01:32:03.0		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-005/01:22:30.5
12998	M1O	04-005/01:32:04.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/01:22:31.6
12999	M1O	04-005/01:32:05.1		Deletes the designated file.: d:/dat/056_doy005_pass01_file01.dat	FILE_DELETE	04-005/01:22:32.6
13000	M1O	04-005/01:32:06.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/01:22:33.7
13001	M1O	04-005/01:32:07.2		Deletes the designated file.: d:/dat/056_doy005_pass01_file02.dat	FILE_DELETE	04-005/01:22:34.7
13002	M1O	04-005/01:32:08.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/01:22:35.8
13003	M1O	04-005/01:32:09.3		Deletes the designated file.: d:/dat/056_doy005_pass01_file03.dat	FILE_DELETE	04-005/01:22:36.8
13004	M1O	04-005/01:32:10.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/01:22:37.9
13005	M1O	04-005/01:32:11.4		Deletes the designated file.: d:/dat/056_doy005_pass01_file04.dat	FILE_DELETE	04-005/01:22:38.9
13006	M1O	04-005/01:32:12.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/01:22:40.0
13007	M1O	04-005/01:32:13.5		Deletes the designated file.: d:/dat/056_doy005_pass01_file05.dat	FILE_DELETE	04-005/01:22:41.0
13008	M1O	04-005/01:32:14.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/01:22:42.1
13009	M1O	04-005/01:32:15.6		Deletes the designated file.: d:/dat/056_doy005_pass01_file06.dat	FILE_DELETE	04-005/01:22:43.1
13010	M1O	04-005/01:32:16.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/01:22:44.2
13011	M1O	04-005/01:32:17.7		Deletes the designated file.: d:/dat/056_doy005_pass01_file07.dat	FILE_DELETE	04-005/01:22:45.2
13012	M1O	04-005/01:32:18.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/01:22:46.3
13013	M1O	04-005/01:32:19.8		Deletes the designated file.: d:/dat/056_doy005_pass01_file08.dat	FILE_DELETE	04-005/01:22:47.3
13014	M1O	04-005/01:32:20.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/01:22:48.4
13015	M1O	04-005/01:32:21.9		Deletes the designated file.: d:/dat/056_doy005_pass01_file09.dat	FILE_DELETE	04-005/01:22:49.4
13016	M1O	04-005/01:32:23.0		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-005/01:22:50.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy005_pass01_file10.dat, d:/dat/autoswitch.dat		
13017	M1O	04-005/01:32:24.0		Deletes the designated file.: d:/dat/056_doy005_pass01_file10.dat	FILE_DELETE	04-005/01:22:51.5
13018	M1O	04-005/01:32:25.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/01:22:52.6
13019	M1O	04-005/01:32:26.1		Deletes the designated file.: d:/dat/056_doy005_pass01_file11.dat	FILE_DELETE	04-005/01:22:53.6
13020	M1O	04-005/01:32:27.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/01:22:54.7
13021	M1O	04-005/01:32:28.2		Deletes the designated file.: d:/dat/056_doy005_pass01_file12.dat	FILE_DELETE	04-005/01:22:55.7
13022	M1O	04-005/01:32:29.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/01:22:56.8
13023	M1O	04-005/01:32:30.3		Deletes the designated file.: d:/dat/056_doy005_pass01_file13.dat	FILE_DELETE	04-005/01:22:57.8
13024	M1O	04-005/01:32:31.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/01:22:58.9
13025	M1O	04-005/01:32:32.4		Deletes the designated file.: d:/dat/056_doy005_pass01_file14.dat	FILE_DELETE	04-005/01:22:59.9
13026	M1O	04-005/01:32:33.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/01:23:01.0
13027	M1O	04-005/01:32:34.5		Deletes the designated file.: d:/dat/056_doy005_pass01_file15.dat	FILE_DELETE	04-005/01:23:02.0
13028	M1O	04-005/01:32:35.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/01:23:03.1
13029	M1O	04-005/01:32:36.6		Deletes the designated file.: d:/dat/056_doy005_pass01_file16.dat	FILE_DELETE	04-005/01:23:04.1
13030	M1O	04-005/01:32:37.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/01:23:05.2
13031	M1O	04-005/01:32:38.7		Deletes the designated file.: d:/dat/056_doy005_pass01_file17.dat	FILE_DELETE	04-005/01:23:06.2
13032	M1O	04-005/01:32:39.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/01:23:07.3
13033	M1O	04-005/01:32:40.8		Deletes the designated file.: d:/dat/056_doy005_pass01_file18.dat	FILE_DELETE	04-005/01:23:08.3
13034	M1O	04-005/01:32:41.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/01:23:09.4
13035	M1O	04-005/01:32:42.9		Deletes the designated file.: d:/dat/056_doy005_pass01_file19.dat	FILE_DELETE	04-005/01:23:10.4
13036	M1O	04-005/01:32:43.9		CALL, Engine = , Parameters = 56	get_apid	04-005/01:23:11.4
13037	M1O	04-005/01:32:45.0		CALL, Engine = , Parameters = 56	get_rcv_mode	04-005/01:23:12.5
13038	M1O	04-005/01:32:45.2		CALL, Engine = , Parameters = 56	get_dl_rate	04-005/01:23:12.7
13039	M1O	04-005/01:32:46.3		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-005/01:23:13.8
13040	M1O	04-005/01:32:47.5		CALL, Engine = , Parameters = 56	get_coding	04-005/01:23:15.0
13041	M1O	04-005/01:32:48.7		CALL, Engine = , Parameters = 56	get_xmt_mode	04-005/01:23:16.2
13042	M1O	04-005/01:32:49.9		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-005/01:23:17.4
13043	M1O	04-005/01:33:54.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-005/01:24:22.2
13044	M1O	04-005/01:33:55.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-005/01:24:23.2
13045	M1O	04-005/01:33:56.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-005/01:24:24.2
13046	M1O	04-005/01:33:57.7		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-005/01:24:25.2
13047	M1O	04-005/01:33:58.7		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-005/01:24:26.2
13048	M1O	04-005/01:33:59.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-005/01:24:27.2
13049	M1O	04-005/01:34:00.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/01:24:28.2
13050	M1O	04-005/01:34:50.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/01:25:18.2
13051	M1O	04-005/01:35:00.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-005/01:25:28.2
13052	M1O	04-005/01:37:01.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/01:27:29.2
13053	M1O	04-005/01:37:02.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/01:27:30.2
13054	M1O	04-005/01:37:33.1		NOTE: Enter Solar Eclipse 9129		04-005/01:28:00.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13055	M1O	04-005/01:38:39.8		NOTE: Ascending Node Crossing 9129		04-005/01:29:07.2
13056	M1O	04-005/01:39:01.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/01:29:29.2
13057	M1O	04-005/01:39:02.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/01:29:30.2
13058	M1O	04-005/01:41:01.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/01:31:29.2
13059	M1O	04-005/01:41:02.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/01:31:30.2
13060	M1O	04-005/01:42:38.5		GV: GV_DESAT_ACTIVE = 1		04-005/01:33:06.0
13061	M1O	04-005/01:42:39.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-005/01:33:07.0
13062	M1O	04-005/01:42:39.5		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-005/01:33:07.0
13063	M1O	04-005/01:43:01.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/01:33:29.2
13064	M1O	04-005/01:43:02.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/01:33:30.2
13065	M1O	04-005/01:45:01.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/01:35:29.2
13066	M1O	04-005/01:45:02.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/01:35:30.2
13067	M1O	04-005/01:47:01.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/01:37:29.2
13068	M1O	04-005/01:47:02.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/01:37:30.2
13069	M1O	04-005/01:49:01.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/01:39:29.2
13070	M1O	04-005/01:49:02.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/01:39:30.2
13071	M1O	04-005/01:50:04.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/01:40:32.0
13072	M1O	04-005/01:50:05.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-005/01:40:33.1
13073	M1O	04-005/01:50:15.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-005/01:40:43.1
13074	M1O	04-005/01:50:16.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-005/01:40:44.1
13075	M1O	04-005/01:50:17.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-005/01:40:45.1
13076	M1O	04-005/01:50:18.7		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-005/01:40:46.1
13077	M1O	04-005/01:52:38.6		GV: GV_DESAT_ACTIVE = 0		04-005/01:43:06.0
13078	M1O	04-005/01:52:39.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-005/01:43:07.0
13079	M1O	04-005/01:52:40.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-005/01:43:08.0
13080	M1O	04-005/01:52:41.6		CALL, Engine = , Parameters =	unpark_hga	04-005/01:43:09.0
13081	M1O	04-005/01:52:41.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-005/01:43:09.0
13082	M1O	04-005/01:52:42.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-005/01:43:10.0
13083	M1O	04-005/01:57:12.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-005/01:47:40.0
13084	M1O	04-005/01:57:13.6		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-005/01:47:41.0
13085	M1O	04-005/01:58:25.8		NOTE: Exit Solar Eclipse 9129		04-005/01:48:53.2
13086	M1O	04-005/01:59:43.6		NOTE: ENTER HGA KEEP OUT ZONE		
13087	M1O	04-005/02:01:13.6		NOTE: EXIT HGA PARK		
13088	M1O	04-005/02:06:37.9		NOTE: Enter Planetary Atmosphere 9129		04-005/01:57:05.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13089	M1O	04-005/02:07:26.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13090	M1O	04-005/02:08:16.1		NOTE: Enter Earth Occultation 9129		04-005/01:58:43.4
13091	M1O	04-005/02:08:35.4		NOTE: North Pole Crossing 9129		04-005/01:59:02.7
13092	M1O	04-005/02:10:36.8		NOTE: Apoapsis 9129 -		04-005/02:01:04.1
13093	M1O	04-005/02:12:26.0	26	Range Modulation On: SUP=3.0dB		
13094	M1O	04-005/02:13:26.0	26	Begin Ranging Acquisition		
13095	M1O	04-005/02:18:23.7		NOTE: EXIT HGA KEEP OUT ZONE		
13096	M1O	04-005/02:25:34.6		SPAWN, Engine = 65535, Parameters = 00:05:31.233	cstr	04-005/02:16:01.9
13097	M1O	04-005/02:25:34.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/02:16:02.0
13098	M1O	04-005/02:25:35.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-005/02:16:03.0
13099	M1O	04-005/02:25:36.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-005/02:16:04.0
13100	M1O	04-005/02:25:37.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-005/02:16:05.0
13101	M1O	04-005/02:25:38.7		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-005/02:16:06.0
13102	M1O	04-005/02:25:48.7		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-005/02:16:16.0
13103	M1O	04-005/02:25:58.7		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-005/02:16:26.0
13104	M1O	04-005/02:25:59.6		NOTE: Exit Earth Occultation 9129		04-005/02:16:26.9
13105	M1O	04-005/02:25:59.6	26	Acquisition Of X-Band Signal		
13106	M1O	04-005/02:25:59.6	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13107	M1O	04-005/02:26:31.3	26	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13108	M1O	04-005/02:27:38.9		NOTE: Exit Planetary Atmosphere 9129		04-005/02:18:06.2
13109	M1O	04-005/02:31:30.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-005/02:21:57.2
13110	M1O	04-005/02:31:31.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-005/02:21:58.2
13111	M1O	04-005/02:31:31.0	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13112	M1O	04-005/02:31:32.0		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-005/02:21:59.2
13113	M1O	04-005/02:38:34.8		NOTE: Descending Node Crossing 9130		04-005/02:29:02.0
13114	M1O	04-005/03:07:54.1		NOTE: South Pole Crossing 9130		04-005/02:58:21.2
13115	M1O	04-005/03:09:02.6		NOTE: Periapsis 9130 ----------		04-005/02:59:29.8
13116	M1O	04-005/03:23:48.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
13117	M1O	04-005/03:33:48.0	26	Range Modulation Off		
13118	M1O	04-005/03:36:04.9		NOTE: Enter Solar Eclipse 9130		04-005/03:26:32.0
13119	M1O	04-005/03:37:10.4		NOTE: Ascending Node Crossing 9130		04-005/03:27:37.4
13120	M1O	04-005/03:38:48.0	26	X-Band Transmitter Off		
13121	M1O	04-005/03:56:51.2		SPAWN, Engine = 65535, Parameters = 3, 00:33:06, 1	dpt	04-005/03:47:18.1
13122	M1O	04-005/03:56:51.6		NOTE: Exit Solar Eclipse 9130		04-005/03:47:18.6
13123	M1O	04-005/03:56:53.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/03:47:20.2
13124	M1O	04-005/03:56:53.3	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13125	M1O	04-005/03:56:54.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-005/03:47:21.2
13126	M1O	04-005/03:57:53.9	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13127	M1O	04-005/03:57:55.0		NOTE: ENTER HGA KEEP OUT ZONE		
13128	M1O	04-005/03:57:55.0	26	NOTE: Loss Of X-Band Signal		
13129	M1O	04-005/04:05:15.8		NOTE: Enter Planetary Atmosphere 9130		04-005/03:55:42.7
13130	M1O	04-005/04:05:54.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13131	M1O	04-005/04:06:54.9		NOTE: Enter Earth Occultation 9130		04-005/03:57:21.8
13132	M1O	04-005/04:07:07.3		NOTE: North Pole Crossing 9130		04-005/03:57:34.3
13133	M1O	04-005/04:08:47.9		NOTE: Apoapsis 9130 -		04-005/03:59:14.9
13134	M1O	04-005/04:10:54.0	26	Range Modulation On: SUP=3.0dB		
13135	M1O	04-005/04:11:54.0	26	Begin Ranging Acquisition		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13136	M1O	04-005/04:16:35.0		NOTE: EXIT HGA KEEP OUT ZONE		
13137	M1O	04-005/04:24:27.3		NOTE: Exit Earth Occultation 9130		04-005/04:14:54.2
13138	M1O	04-005/04:24:27.3	26	Acquisition Of X-Band Signal		
13139	M1O	04-005/04:24:27.3	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13140	M1O	04-005/04:25:00.0	26	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13141	M1O	04-005/04:26:07.5		NOTE: Exit Planetary Atmosphere 9130		04-005/04:16:34.4
13142	M1O	04-005/04:29:59.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-005/04:20:26.2
13143	M1O	04-005/04:29:59.4	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13144	M1O	04-005/04:30:00.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-005/04:20:27.2
13145	M1O	04-005/04:37:07.7		NOTE: Descending Node Crossing 9131		04-005/04:27:34.6
13146	M1O	04-005/05:06:28.0		NOTE: South Pole Crossing 9131		04-005/04:56:54.8
13147	M1O	04-005/05:07:29.3		NOTE: Periapsis 9131 ----------		04-005/04:57:56.1
13148	M1O	04-005/05:22:40.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
13149	M1O	04-005/05:32:40.0	26	Range Modulation Off		
13150	M1O	04-005/05:34:41.9		NOTE: Enter Solar Eclipse 9131		04-005/05:25:08.6
13151	M1O	04-005/05:35:45.5		NOTE: Ascending Node Crossing 9131		04-005/05:26:12.2
13152	M1O	04-005/05:37:40.0	26	X-Band Transmitter Off		
13153	M1O	04-005/05:55:22.6		NOTE: Exit Solar Eclipse 9131		04-005/05:45:49.2
13154	M1O	04-005/05:55:43.5		SPAWN, Engine = 65535, Parameters = 3, 00:32:45.115, 1	dpt	04-005/05:46:10.1
13155	M1O	04-005/05:55:45.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/05:46:12.2
13156	M1O	04-005/05:55:45.6	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13157	M1O	04-005/05:55:46.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-005/05:46:13.2
13158	M1O	04-005/05:56:46.6	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13159	M1O	04-005/05:56:47.3		NOTE: ENTER HGA KEEP OUT ZONE		
13160	M1O	04-005/05:56:47.3	26	NOTE: Loss Of X-Band Signal		
13161	M1O	04-005/06:03:55.4		NOTE: Enter Planetary Atmosphere 9131		04-005/05:54:22.0
13162	M1O	04-005/06:04:24.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13163	M1O	04-005/06:05:35.2		NOTE: Enter Earth Occultation 9131		04-005/05:56:01.8
13164	M1O	04-005/06:05:42.6		NOTE: North Pole Crossing 9131		04-005/05:56:09.2
13165	M1O	04-005/06:07:25.3		NOTE: Apoapsis 9131 -		04-005/05:57:51.9
13166	M1O	04-005/06:09:24.0	26	Range Modulation On: SUP=3.0dB		
13167	M1O	04-005/06:10:24.0	26	Begin Ranging Acquisition		
13168	M1O	04-005/06:15:00.0	43	Begin Pre-Cal		
13169	M1O	04-005/06:15:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
13170	M1O	04-005/06:15:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
13171	M1O	04-005/06:15:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
13172	M1O	04-005/06:15:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
13173	M1O	04-005/06:15:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
13174	M1O	04-005/06:15:00.0	43	Config: RCV: Parms:		
13175	M1O	04-005/06:15:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
13176	M1O	04-005/06:15:00.0	43	Config: TGC: BAND=X, SR=79632.000000		
13177	M1O	04-005/06:15:00.0	43	Config: TXL		
13178	M1O	04-005/06:15:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
13179	M1O	04-005/06:15:00.0	43	Config: CMD		
13180	M1O	04-005/06:15:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
13181	M1O	04-005/06:15:07.4		NOTE: EXIT HGA KEEP OUT ZONE		
13182	M1O	04-005/06:22:58.5		NOTE: Exit Earth Occultation 9131		04-005/06:13:25.0
13183	M1O	04-005/06:22:58.5	26	Acquisition Of X-Band Signal		
13184	M1O	04-005/06:22:58.5	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13185	M1O	04-005/06:23:30.8	26	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13186	M1O	04-005/06:24:39.4		NOTE: Exit Planetary Atmosphere 9131		04-005/06:15:06.0
13187	M1O	04-005/06:26:08.4		SPAWN, Engine = 65535, Parameters = 005, 01, TRUE, 00:18:51, 254, FALSE, 32_KPS, 00:05:00, 00:00:00	uhf	04-005/06:16:35.0
13188	M1O	04-005/06:26:09.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-005/06:16:36.1
13189	M1O	04-005/06:26:11.5		CALL, Engine = , Parameters = 254	get_cmd_opt	04-005/06:16:38.1
13190	M1O	04-005/06:26:11.8		CALL, Engine = , Parameters = 005, 01, 254	bld_autosw	04-005/06:16:38.4
13191	M1O	04-005/06:26:12.9		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-005/06:16:39.5
13192	M1O	04-005/06:26:14.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/06:16:40.6
13193	M1O	04-005/06:26:15.0		Deletes the designated file.: d:/dat/254_doy005_pass01_file01.dat	FILE_DELETE	04-005/06:16:41.6
13194	M1O	04-005/06:26:16.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/06:16:42.7
13195	M1O	04-005/06:26:17.1		Deletes the designated file.: d:/dat/254_doy005_pass01_file02.dat	FILE_DELETE	04-005/06:16:43.7
13196	M1O	04-005/06:26:18.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/06:16:44.8
13197	M1O	04-005/06:26:19.2		Deletes the designated file.: d:/dat/254_doy005_pass01_file03.dat	FILE_DELETE	04-005/06:16:45.8
13198	M1O	04-005/06:26:20.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/06:16:46.9
13199	M1O	04-005/06:26:21.3		Deletes the designated file.: d:/dat/254_doy005_pass01_file04.dat	FILE_DELETE	04-005/06:16:47.9
13200	M1O	04-005/06:26:22.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/06:16:49.0
13201	M1O	04-005/06:26:23.4		Deletes the designated file.: d:/dat/254_doy005_pass01_file05.dat	FILE_DELETE	04-005/06:16:50.0
13202	M1O	04-005/06:26:24.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/06:16:51.1
13203	M1O	04-005/06:26:25.5		Deletes the designated file.: d:/dat/254_doy005_pass01_file06.dat	FILE_DELETE	04-005/06:16:52.1
13204	M1O	04-005/06:26:26.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/06:16:53.2
13205	M1O	04-005/06:26:27.6		Deletes the designated file.: d:/dat/254_doy005_pass01_file07.dat	FILE_DELETE	04-005/06:16:54.2
13206	M1O	04-005/06:26:28.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/06:16:55.3
13207	M1O	04-005/06:26:29.7		Deletes the designated file.: d:/dat/254_doy005_pass01_file08.dat	FILE_DELETE	04-005/06:16:56.3
13208	M1O	04-005/06:26:30.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/06:16:57.4
13209	M1O	04-005/06:26:31.8		Deletes the designated file.: d:/dat/254_doy005_pass01_file09.dat	FILE_DELETE	04-005/06:16:58.4
13210	M1O	04-005/06:26:32.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/06:16:59.5
13211	M1O	04-005/06:26:33.9		Deletes the designated file.: d:/dat/254_doy005_pass01_file10.dat	FILE_DELETE	04-005/06:17:00.5
13212	M1O	04-005/06:26:35.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/06:17:01.6
13213	M1O	04-005/06:26:36.0		Deletes the designated file.: d:/dat/254_doy005_pass01_file11.dat	FILE_DELETE	04-005/06:17:02.6
13214	M1O	04-005/06:26:37.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/06:17:03.7
13215	M1O	04-005/06:26:38.1		Deletes the designated file.: d:/dat/254_doy005_pass01_file12.dat	FILE_DELETE	04-005/06:17:04.7
13216	M1O	04-005/06:26:39.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/06:17:05.8
13217	M1O	04-005/06:26:40.2		Deletes the designated file.: d:/dat/254_doy005_pass01_file13.dat	FILE_DELETE	04-005/06:17:06.8
13218	M1O	04-005/06:26:41.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/06:17:07.9
13219	M1O	04-005/06:26:42.3		Deletes the designated file.: d:/dat/254_doy005_pass01_file14.dat	FILE_DELETE	04-005/06:17:08.9
13220	M1O	04-005/06:26:43.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/06:17:10.0
13221	M1O	04-005/06:26:44.4		Deletes the designated file.: d:/dat/254_doy005_pass01_file15.dat	FILE_DELETE	04-005/06:17:11.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13222	M1O	04-005/06:26:45.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/06:17:12.1
13223	M1O	04-005/06:26:46.5		Deletes the designated file.: d:/dat/254_doy005_pass01_file16.dat	FILE_DELETE	04-005/06:17:13.1
13224	M1O	04-005/06:26:47.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/06:17:14.2
13225	M1O	04-005/06:26:48.6		Deletes the designated file.: d:/dat/254_doy005_pass01_file17.dat	FILE_DELETE	04-005/06:17:15.2
13226	M1O	04-005/06:26:49.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/06:17:16.3
13227	M1O	04-005/06:26:50.7		Deletes the designated file.: d:/dat/254_doy005_pass01_file18.dat	FILE_DELETE	04-005/06:17:17.3
13228	M1O	04-005/06:26:51.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/06:17:18.4
13229	M1O	04-005/06:26:52.8		Deletes the designated file.: d:/dat/254_doy005_pass01_file19.dat	FILE_DELETE	04-005/06:17:19.4
13230	M1O	04-005/06:26:53.8		CALL, Engine = , Parameters = 254	get_apid	04-005/06:17:20.4
13231	M1O	04-005/06:26:54.9		CALL, Engine = , Parameters = 254	get_rcv_mode	04-005/06:17:21.5
13232	M1O	04-005/06:26:55.1		CALL, Engine = , Parameters = 254	get_dl_rate	04-005/06:17:21.7
13233	M1O	04-005/06:26:56.2		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-005/06:17:22.8
13234	M1O	04-005/06:26:57.5		CALL, Engine = , Parameters = 254	get_coding	04-005/06:17:24.1
13235	M1O	04-005/06:26:58.7		CALL, Engine = , Parameters = 254	get_xmt_mode	04-005/06:17:25.3
13236	M1O	04-005/06:26:59.9		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-005/06:17:26.5
13237	M1O	04-005/06:28:04.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-005/06:18:31.3
13238	M1O	04-005/06:28:05.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-005/06:18:32.3
13239	M1O	04-005/06:28:06.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-005/06:18:33.3
13240	M1O	04-005/06:28:07.7		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-005/06:18:34.3
13241	M1O	04-005/06:28:08.7		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-005/06:18:35.3
13242	M1O	04-005/06:28:09.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-005/06:18:36.3
13243	M1O	04-005/06:28:10.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/06:18:37.3
13244	M1O	04-005/06:28:30.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-005/06:18:57.4
13245	M1O	04-005/06:28:30.8	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13246	M1O	04-005/06:28:31.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/06:18:58.4
13247	M1O	04-005/06:28:31.8	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13248	M1O	04-005/06:28:31.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-005/06:18:58.4
13249	M1O	04-005/06:30:00.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
13250	M1O	04-005/06:33:00.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/06:23:27.3
13251	M1O	04-005/06:33:10.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-005/06:23:37.3
13252	M1O	04-005/06:35:43.2		NOTE: Descending Node Crossing 9132		04-005/06:26:09.7
13253	M1O	04-005/06:40:00.0	26	Range Modulation Off		
13254	M1O	04-005/06:45:00.0	26	X-Band Transmitter Off		
13255	M1O	04-005/06:45:52.8	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
13256	M1O	04-005/06:46:59.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/06:37:26.3
13257	M1O	04-005/06:47:00.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-005/06:37:27.4
13258	M1O	04-005/06:47:10.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-005/06:37:37.4
13259	M1O	04-005/06:47:11.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-005/06:37:38.4
13260	M1O	04-005/06:47:12.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-005/06:37:39.4
13261	M1O	04-005/06:47:12.9	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13262	M1O	04-005/06:47:13.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-005/06:37:40.4
13263	M1O	04-005/06:52:12.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-005/06:42:39.0
13264	M1O	04-005/06:52:12.5	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13265	M1O	04-005/06:55:56.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-005/06:46:23.0
13266	M1O	04-005/06:56:08.0	26	NOTE: Below Uplink Interlock Limit		
13267	M1O	04-005/06:56:12.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-003T06:46:23.100, 2004-005T06:46:23.100	PCKTS_RE_TX_TIME	04-005/06:46:38.8
13268	M1O	04-005/06:56:13.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-003T06:46:23.100, 2004-005T06:46:23.100	PCKTS_RE_TX_TIME	04-005/06:46:39.8
13269	M1O	04-005/06:56:14.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-003T06:46:23.100, 2004-005T06:46:23.100	PCKTS_RE_TX_TIME	04-005/06:46:40.8
13270	M1O	04-005/06:56:15.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-003T06:46:23.100, 2004-005T06:46:23.100	PCKTS_RE_TX_TIME	04-005/06:46:41.8
13271	M1O	04-005/06:56:16.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-003T06:46:23.100, 2004-005T06:46:23.100	PCKTS_RE_TX_TIME	04-005/06:46:42.8
13272	M1O	04-005/06:56:17.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-003T06:46:23.100, 2004-005T06:46:23.100	PCKTS_RE_TX_TIME	04-005/06:46:43.8
13273	M1O	04-005/06:56:17.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-005/06:46:43.8
13274	M1O	04-005/06:56:17.3	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13275	M1O	04-005/07:03:18.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/06:53:44.8
13276	M1O	04-005/07:03:18.3	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13277	M1O	04-005/07:03:19.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-005/06:53:45.8
13278	M1O	04-005/07:03:35.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-005/06:54:01.8
13279	M1O	04-005/07:03:35.3	26	D/L RF Warning: SC antenna change - expect signal level variation		
13280	M1O	04-005/07:03:36.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-005/06:54:02.8
13281	M1O	04-005/07:04:07.0	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13282	M1O	04-005/07:05:00.0	26	End Tracking		
13283	M1O	04-005/07:05:04.8		NOTE: South Pole Crossing 9132		04-005/06:55:31.2
13284	M1O	04-005/07:06:28.5		NOTE: Periapsis 9132 ----------		04-005/06:56:54.9
13285	M1O	04-005/07:09:33.6		SPAWN, Engine = 65535, Parameters =	scdiag	04-005/07:00:00.0
13286	M1O	04-005/07:09:34.7		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-005/07:00:01.1
13287	M1O	04-005/07:09:35.7		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-005/07:00:02.1
13288	M1O	04-005/07:10:36.6		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-005/07:01:03.0
13289	M1O	04-005/07:10:36.8		NOTE: Start Block fsw_diag		04-005/07:01:03.2
13290	M1O	04-005/07:10:37.8		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-005/07:01:04.2
13291	M1O	04-005/07:10:38.8		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	04-005/07:01:05.2
13292	M1O	04-005/07:10:49.8		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	04-005/07:01:16.2
13293	M1O	04-005/07:11:19.8		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-005/07:01:46.2
13294	M1O	04-005/07:11:39.8		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-005/07:02:06.2
13295	M1O	04-005/07:11:49.8		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-005/07:02:16.2
13296	M1O	04-005/07:12:09.8		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-005/07:02:36.2
13297	M1O	04-005/07:12:19.8		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-005/07:02:46.2
13298	M1O	04-005/07:12:24.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-005/07:02:51.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13299	M1O	04-005/07:12:29.8		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-005/07:02:56.2
13300	M1O	04-005/07:12:34.8		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-005/07:03:01.2
13301	M1O	04-005/07:12:39.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-005/07:03:06.2
13302	M1O	04-005/07:12:44.8		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-005/07:03:11.2
13303	M1O	04-005/07:13:24.8		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-005/07:03:51.2
13304	M1O	04-005/07:13:29.8		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-005/07:03:56.2
13305	M1O	04-005/07:13:34.8		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-005/07:04:01.2
13306	M1O	04-005/07:13:39.8		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-005/07:04:06.2
13307	M1O	04-005/07:13:44.8		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-005/07:04:11.2
13308	M1O	04-005/07:13:45.8		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-005/07:04:12.2
13309	M1O	04-005/07:13:46.8		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-005/07:04:13.2
13310	M1O	04-005/07:13:47.8		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-005/07:04:14.2
13311	M1O	04-005/07:13:58.8		NOTE: End Block fsw_diag.mod		04-005/07:04:25.2
13312	M1O	04-005/07:14:35.2		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-005/07:05:01.5
13313	M1O	04-005/07:14:35.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/07:05:01.6
13314	M1O	04-005/07:14:36.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-005/07:05:02.6
13315	M1O	04-005/07:14:37.3		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-005/07:05:03.6
13316	M1O	04-005/07:14:38.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-005/07:05:04.6
13317	M1O	04-005/07:14:39.3		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-005/07:05:05.6
13318	M1O	04-005/07:14:49.3		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-005/07:05:15.6
13319	M1O	04-005/07:14:59.3		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-005/07:05:25.6
13320	M1O	04-005/07:15:00.0	43	Begin Tracking		
13321	M1O	04-005/07:15:00.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13322	M1O	04-005/07:15:00.2		NOTE: Changing to 70M downlink rate: 110600_BPS		04-005/07:05:26.5
13323	M1O	04-005/07:15:00.2		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	04-005/07:05:26.5
13324	M1O	04-005/07:15:00.2	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13325	M1O	04-005/07:16:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13326	M1O	04-005/07:19:59.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-005/07:10:25.6
13327	M1O	04-005/07:20:00.0	26	End Post-Cal		
13328	M1O	04-005/07:20:00.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-005/07:10:26.6
13329	M1O	04-005/07:20:00.3	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13330	M1O	04-005/07:20:01.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-005/07:10:27.6
13331	M1O	04-005/07:21:00.0	43	Range Modulation On: SUP=3.0dB		
13332	M1O	04-005/07:21:14.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
13333	M1O	04-005/07:22:00.0	43	Begin Ranging Acquisition		
13334	M1O	04-005/07:31:14.0	43	Range Modulation Off		
13335	M1O	04-005/07:33:18.6		NOTE: Enter Solar Eclipse 9132		04-005/07:23:44.9
13336	M1O	04-005/07:34:04.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-005/07:24:31.3
13337	M1O	04-005/07:34:07.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/07:24:33.4
13338	M1O	04-005/07:34:07.0	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13339	M1O	04-005/07:34:08.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-005/07:24:34.4
13340	M1O	04-005/07:34:22.8		NOTE: Ascending Node Crossing 9132		04-005/07:24:49.2
13341	M1O	04-005/07:35:07.2	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13342	M1O	04-005/07:36:14.0	43	X-Band Transmitter Off		
13343	M1O	04-005/07:40:07.1		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-005/07:30:33.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
13344	M1O	04-005/07:40:07.1	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13345	M1O	04-005/07:40:08.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-005/07:30:34.4
13346	M1O	04-005/07:53:58.9		NOTE: Exit Solar Eclipse 9132		04-005/07:44:25.1
13347	M1O	04-005/07:54:19.0		SPAWN, Engine = 65535, Parameters = 3, 00:32:43, 1	dpt	04-005/07:44:45.3
13348	M1O	04-005/07:54:21.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/07:44:47.4
13349	M1O	04-005/07:54:21.1	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13350	M1O	04-005/07:54:22.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-005/07:44:48.4
13351	M1O	04-005/07:55:21.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13352	M1O	04-005/07:55:22.7		NOTE: ENTER HGA KEEP OUT ZONE		
13353	M1O	04-005/07:55:22.7	43	NOTE: Loss Of X-Band Signal		
13354	M1O	04-005/08:02:32.7		NOTE: Enter Planetary Atmosphere 9132		04-005/07:52:58.9
13355	M1O	04-005/08:02:57.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13356	M1O	04-005/08:04:12.8		NOTE: Enter Earth Occultation 9132		04-005/07:54:39.1
13357	M1O	04-005/08:04:19.4		NOTE: North Pole Crossing 9132		04-005/07:54:45.6
13358	M1O	04-005/08:06:33.1		NOTE: Apoapsis 9132 -		04-005/07:56:59.3
13359	M1O	04-005/08:07:57.0	43	Range Modulation On: SUP=3.0dB		
13360	M1O	04-005/08:08:57.0	43	Begin Ranging Acquisition		
13361	M1O	04-005/08:13:42.8		NOTE: EXIT HGA KEEP OUT ZONE		
13362	M1O	04-005/08:21:32.8		NOTE: Exit Earth Occultation 9132		04-005/08:11:59.0
13363	M1O	04-005/08:21:32.8	43	Acquisition Of X-Band Signal		
13364	M1O	04-005/08:21:32.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13365	M1O	04-005/08:22:04.5	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13366	M1O	04-005/08:23:14.0		NOTE: Exit Planetary Atmosphere 9132		04-005/08:13:40.1
13367	M1O	04-005/08:26:53.8		SPAWN, Engine = 65535, Parameters = 005, 02, FALSE, 00:12:49.565, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-005/08:17:20.0
13368	M1O	04-005/08:26:54.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-005/08:17:21.1
13369	M1O	04-005/08:26:56.9		CALL, Engine = , Parameters = 254	get_cmd_opt	04-005/08:17:23.1
13370	M1O	04-005/08:27:04.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-005/08:17:30.4
13371	M1O	04-005/08:27:04.2	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13372	M1O	04-005/08:27:05.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-005/08:17:31.4
13373	M1O	04-005/08:27:39.1		CALL, Engine = , Parameters = 254	get_apid	04-005/08:18:05.3
13374	M1O	04-005/08:27:40.2		CALL, Engine = , Parameters = 254	get_rcv_mode	04-005/08:18:06.4
13375	M1O	04-005/08:27:40.4		CALL, Engine = , Parameters = 254	get_dl_rate	04-005/08:18:06.6
13376	M1O	04-005/08:27:41.5		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-005/08:18:07.7
13377	M1O	04-005/08:27:42.8		CALL, Engine = , Parameters = 254	get_coding	04-005/08:18:09.0
13378	M1O	04-005/08:27:44.0		CALL, Engine = , Parameters = 254	get_xmt_mode	04-005/08:18:10.2
13379	M1O	04-005/08:27:45.2		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-005/08:18:11.4
13380	M1O	04-005/08:28:50.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-005/08:19:16.2
13381	M1O	04-005/08:28:51.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-005/08:19:17.2
13382	M1O	04-005/08:28:52.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-005/08:19:18.2
13383	M1O	04-005/08:28:53.0		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-005/08:19:19.2
13384	M1O	04-005/08:28:54.0		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-005/08:19:20.2
13385	M1O	04-005/08:28:55.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-005/08:19:21.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13386	M1O	04-005/08:28:56.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/08:19:22.2
13387	M1O	04-005/08:34:20.0		NOTE: Descending Node Crossing 9133		04-005/08:24:46.2
13388	M1O	04-005/08:41:41.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/08:32:07.7
13389	M1O	04-005/08:41:42.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-005/08:32:08.8
13390	M1O	04-005/08:41:52.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-005/08:32:18.8
13391	M1O	04-005/08:41:53.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-005/08:32:19.8
13392	M1O	04-005/09:03:41.9		NOTE: South Pole Crossing 9133		04-005/08:54:08.0
13393	M1O	04-005/09:05:28.8		NOTE: Periapsis 9133 ----------		04-005/08:55:54.9
13394	M1O	04-005/09:19:51.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
13395	M1O	04-005/09:29:51.0	43	Range Modulation Off		
13396	M1O	04-005/09:31:53.2		NOTE: Enter Solar Eclipse 9133		04-005/09:22:19.1
13397	M1O	04-005/09:32:59.5		NOTE: Ascending Node Crossing 9133		04-005/09:23:25.4
13398	M1O	04-005/09:34:51.0	43	X-Band Transmitter Off		
13399	M1O	04-005/09:52:36.2		NOTE: Exit Solar Eclipse 9133		04-005/09:43:02.1
13400	M1O	04-005/09:52:56.4		SPAWN, Engine = 65535, Parameters = 3, 00:32:42, 1	dpt	04-005/09:43:22.3
13401	M1O	04-005/09:52:58.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/09:43:24.4
13402	M1O	04-005/09:52:58.5	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13403	M1O	04-005/09:52:59.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-005/09:43:25.4
13404	M1O	04-005/09:53:59.1	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13405	M1O	04-005/09:54:00.1		NOTE: ENTER HGA KEEP OUT ZONE		
13406	M1O	04-005/09:54:00.1	43	NOTE: Loss Of X-Band Signal		
13407	M1O	04-005/10:01:07.7		NOTE: Enter Planetary Atmosphere 9133		04-005/09:51:33.6
13408	M1O	04-005/10:01:33.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13409	M1O	04-005/10:02:47.9		NOTE: Enter Earth Occultation 9133		04-005/09:53:13.7
13410	M1O	04-005/10:02:55.9		NOTE: North Pole Crossing 9133		04-005/09:53:21.7
13411	M1O	04-005/10:05:28.1		NOTE: Apoapsis 9133 -		04-005/09:55:54.0
13412	M1O	04-005/10:06:33.0	43	Range Modulation On: SUP=3.0dB		
13413	M1O	04-005/10:07:33.0	43	Begin Ranging Acquisition		
13414	M1O	04-005/10:12:20.1		NOTE: EXIT HGA KEEP OUT ZONE		
13415	M1O	04-005/10:20:09.1		NOTE: Exit Earth Occultation 9133		04-005/10:10:34.9
13416	M1O	04-005/10:20:09.1	43	Acquisition Of X-Band Signal		
13417	M1O	04-005/10:20:09.1	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13418	M1O	04-005/10:20:41.2	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13419	M1O	04-005/10:21:50.2		NOTE: Exit Planetary Atmosphere 9133		04-005/10:12:16.0
13420	M1O	04-005/10:25:40.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-005/10:16:06.4
13421	M1O	04-005/10:25:40.6	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13422	M1O	04-005/10:25:41.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-005/10:16:07.4
13423	M1O	04-005/10:32:56.7		NOTE: Descending Node Crossing 9134		04-005/10:23:22.5
13424	M1O	04-005/11:00:00.0	55	Begin Pre-Cal		
13425	M1O	04-005/11:00:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
13426	M1O	04-005/11:00:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
13427	M1O	04-005/11:00:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
13428	M1O	04-005/11:00:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
13429	M1O	04-005/11:00:00.0	55	At BOT: S/C Tlm Mode: BR=0.0, FL=10112, SC=375KHZ, MI=71.7		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13430	M1O	04-005/11:00:00.0	55	Config: RCV: Parms:		
13431	M1O	04-005/11:00:00.0	55	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
13432	M1O	04-005/11:00:00.0	55	Config: TGC: BAND=X, SR=0.000000		
13433	M1O	04-005/11:00:00.0	55	Config: TXL		
13434	M1O	04-005/11:00:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
13435	M1O	04-005/11:00:00.0	55	Config: CMD		
13436	M1O	04-005/11:00:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
13437	M1O	04-005/11:02:17.7		NOTE: South Pole Crossing 9134		04-005/10:52:43.3
13438	M1O	04-005/11:04:09.4		NOTE: Periapsis 9134 ----------		04-005/10:54:35.1
13439	M1O	04-005/11:18:27.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
13440	M1O	04-005/11:28:27.0	43	Range Modulation Off		
13441	M1O	04-005/11:30:25.4		NOTE: Enter Solar Eclipse 9134		04-005/11:20:51.0
13442	M1O	04-005/11:31:33.9		NOTE: Ascending Node Crossing 9134		04-005/11:21:59.5
13443	M1O	04-005/11:33:27.0	43	X-Band Transmitter Off		
13444	M1O	04-005/11:51:12.6		NOTE: Exit Solar Eclipse 9134		04-005/11:41:38.1
13445	M1O	04-005/11:51:32.7		SPAWN, Engine = 65535, Parameters = 3, 00:32:43.117, 1	dpt	04-005/11:41:58.3
13446	M1O	04-005/11:51:34.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/11:42:00.4
13447	M1O	04-005/11:51:34.8	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13448	M1O	04-005/11:51:35.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-005/11:42:01.4
13449	M1O	04-005/11:52:35.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13450	M1O	04-005/11:52:36.4		NOTE: ENTER HGA KEEP OUT ZONE		
13451	M1O	04-005/11:52:36.4	43	NOTE: Loss Of X-Band Signal		
13452	M1O	04-005/11:59:38.6		NOTE: Enter Planetary Atmosphere 9134		04-005/11:50:04.1
13453	M1O	04-005/12:00:09.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13454	M1O	04-005/12:01:18.2		NOTE: Enter Earth Occultation 9134		04-005/11:51:43.7
13455	M1O	04-005/12:01:30.2		NOTE: North Pole Crossing 9134		04-005/11:51:55.7
13456	M1O	04-005/12:03:54.7		NOTE: Apoapsis 9134 -		04-005/11:54:20.2
13457	M1O	04-005/12:05:09.0	43	Range Modulation On: SUP=3.0dB		
13458	M1O	04-005/12:06:09.0	43	Begin Ranging Acquisition		
13459	M1O	04-005/12:09:53.5		SPAWN, Engine = 65535, Parameters = 005, 02, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-005/12:00:19.0
13460	M1O	04-005/12:09:54.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-005/12:00:20.1
13461	M1O	04-005/12:09:56.6		CALL, Engine = , Parameters = 56	get_cmd_opt	04-005/12:00:22.1
13462	M1O	04-005/12:09:56.9		CALL, Engine = , Parameters = 005, 02, 056	bld_autosw	04-005/12:00:22.4
13463	M1O	04-005/12:09:58.0		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-005/12:00:23.5
13464	M1O	04-005/12:09:59.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/12:00:24.6
13465	M1O	04-005/12:10:00.1		Deletes the designated file.: d:/dat/056_doy005_pass02_file01.dat	FILE_DELETE	04-005/12:00:25.6
13466	M1O	04-005/12:10:01.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/12:00:26.7
13467	M1O	04-005/12:10:02.2		Deletes the designated file.: d:/dat/056_doy005_pass02_file02.dat	FILE_DELETE	04-005/12:00:27.7
13468	M1O	04-005/12:10:03.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/12:00:28.8
13469	M1O	04-005/12:10:04.3		Deletes the designated file.: d:/dat/056_doy005_pass02_file03.dat	FILE_DELETE	04-005/12:00:29.8
13470	M1O	04-005/12:10:05.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/12:00:30.9
13471	M1O	04-005/12:10:06.4		Deletes the designated file.: d:/dat/056_doy005_pass02_file04.dat	FILE_DELETE	04-005/12:00:31.9
13472	M1O	04-005/12:10:07.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/12:00:33.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13473	M1O	04-005/12:10:08.5		Deletes the designated file.: d:/dat/056_doy005_pass02_file05.dat	FILE_DELETE	04-005/12:00:34.0
13474	M1O	04-005/12:10:09.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/12:00:35.1
13475	M1O	04-005/12:10:10.6		Deletes the designated file.: d:/dat/056_doy005_pass02_file06.dat	FILE_DELETE	04-005/12:00:36.1
13476	M1O	04-005/12:10:11.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/12:00:37.2
13477	M1O	04-005/12:10:12.7		Deletes the designated file.: d:/dat/056_doy005_pass02_file07.dat	FILE_DELETE	04-005/12:00:38.2
13478	M1O	04-005/12:10:13.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/12:00:39.3
13479	M1O	04-005/12:10:14.8		Deletes the designated file.: d:/dat/056_doy005_pass02_file08.dat	FILE_DELETE	04-005/12:00:40.3
13480	M1O	04-005/12:10:15.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/12:00:41.4
13481	M1O	04-005/12:10:16.9		Deletes the designated file.: d:/dat/056_doy005_pass02_file09.dat	FILE_DELETE	04-005/12:00:42.4
13482	M1O	04-005/12:10:18.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/12:00:43.5
13483	M1O	04-005/12:10:19.0		Deletes the designated file.: d:/dat/056_doy005_pass02_file10.dat	FILE_DELETE	04-005/12:00:44.5
13484	M1O	04-005/12:10:20.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/12:00:45.6
13485	M1O	04-005/12:10:21.1		Deletes the designated file.: d:/dat/056_doy005_pass02_file11.dat	FILE_DELETE	04-005/12:00:46.6
13486	M1O	04-005/12:10:22.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/12:00:47.7
13487	M1O	04-005/12:10:23.2		Deletes the designated file.: d:/dat/056_doy005_pass02_file12.dat	FILE_DELETE	04-005/12:00:48.7
13488	M1O	04-005/12:10:24.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/12:00:49.8
13489	M1O	04-005/12:10:25.3		Deletes the designated file.: d:/dat/056_doy005_pass02_file13.dat	FILE_DELETE	04-005/12:00:50.8
13490	M1O	04-005/12:10:26.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/12:00:51.9
13491	M1O	04-005/12:10:27.4		Deletes the designated file.: d:/dat/056_doy005_pass02_file14.dat	FILE_DELETE	04-005/12:00:52.9
13492	M1O	04-005/12:10:28.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/12:00:54.0
13493	M1O	04-005/12:10:29.5		Deletes the designated file.: d:/dat/056_doy005_pass02_file15.dat	FILE_DELETE	04-005/12:00:55.0
13494	M1O	04-005/12:10:30.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/12:00:56.1
13495	M1O	04-005/12:10:31.6		Deletes the designated file.: d:/dat/056_doy005_pass02_file16.dat	FILE_DELETE	04-005/12:00:57.1
13496	M1O	04-005/12:10:32.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/12:00:58.2
13497	M1O	04-005/12:10:33.7		Deletes the designated file.: d:/dat/056_doy005_pass02_file17.dat	FILE_DELETE	04-005/12:00:59.2
13498	M1O	04-005/12:10:34.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/12:01:00.3
13499	M1O	04-005/12:10:35.8		Deletes the designated file.: d:/dat/056_doy005_pass02_file18.dat	FILE_DELETE	04-005/12:01:01.3
13500	M1O	04-005/12:10:36.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/12:01:02.4
13501	M1O	04-005/12:10:37.9		Deletes the designated file.: d:/dat/056_doy005_pass02_file19.dat	FILE_DELETE	04-005/12:01:03.4
13502	M1O	04-005/12:10:38.9		CALL, Engine = , Parameters = 56	get_apid	04-005/12:01:04.4
13503	M1O	04-005/12:10:40.0		CALL, Engine = , Parameters = 56	get_rcv_mode	04-005/12:01:05.5
13504	M1O	04-005/12:10:40.2		CALL, Engine = , Parameters = 56	get_dl_rate	04-005/12:01:05.7
13505	M1O	04-005/12:10:41.3		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-005/12:01:06.8
13506	M1O	04-005/12:10:42.5		CALL, Engine = , Parameters = 56	get_coding	04-005/12:01:08.0
13507	M1O	04-005/12:10:43.7		CALL, Engine = , Parameters = 56	get_xmt_mode	04-005/12:01:09.2
13508	M1O	04-005/12:10:44.9		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-005/12:01:10.4
13509	M1O	04-005/12:10:56.5		NOTE: EXIT HGA KEEP OUT ZONE		
13510	M1O	04-005/12:11:49.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-005/12:02:15.2
13511	M1O	04-005/12:11:50.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-005/12:02:16.2
13512	M1O	04-005/12:11:51.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-005/12:02:17.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13513	M1O	04-005/12:11:52.7		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-005/12:02:18.2
13514	M1O	04-005/12:11:53.7		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-005/12:02:19.2
13515	M1O	04-005/12:11:54.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-005/12:02:20.2
13516	M1O	04-005/12:11:55.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/12:02:21.2
13517	M1O	04-005/12:12:45.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/12:03:11.2
13518	M1O	04-005/12:12:55.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-005/12:03:21.2
13519	M1O	04-005/12:14:56.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/12:05:22.2
13520	M1O	04-005/12:14:57.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/12:05:23.2
13521	M1O	04-005/12:16:56.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/12:07:22.2
13522	M1O	04-005/12:16:57.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/12:07:23.2
13523	M1O	04-005/12:18:45.8		NOTE: Exit Earth Occultation 9134		04-005/12:09:11.2
13524	M1O	04-005/12:18:45.8	43	Acquisition Of X-Band Signal		
13525	M1O	04-005/12:18:45.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13526	M1O	04-005/12:18:56.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/12:09:22.2
13527	M1O	04-005/12:18:57.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/12:09:23.2
13528	M1O	04-005/12:19:18.0	43	Acquire D/L: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13529	M1O	04-005/12:20:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
13530	M1O	04-005/12:20:26.4		NOTE: Exit Planetary Atmosphere 9134		04-005/12:10:51.9
13531	M1O	04-005/12:20:56.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/12:11:22.2
13532	M1O	04-005/12:20:57.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/12:11:23.2
13533	M1O	04-005/12:22:56.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/12:13:22.2
13534	M1O	04-005/12:22:57.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/12:13:23.2
13535	M1O	04-005/12:24:18.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-005/12:14:43.5
13536	M1O	04-005/12:24:18.1	43	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13537	M1O	04-005/12:24:19.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/12:14:44.5
13538	M1O	04-005/12:24:19.0	43	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13539	M1O	04-005/12:24:19.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-005/12:14:44.5
13540	M1O	04-005/12:24:56.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/12:15:22.2
13541	M1O	04-005/12:24:57.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/12:15:23.2
13542	M1O	04-005/12:26:56.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/12:17:22.2
13543	M1O	04-005/12:26:57.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/12:17:23.2
13544	M1O	04-005/12:28:56.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/12:19:22.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13545	M1O	04-005/12:28:57.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/12:19:23.2
13546	M1O	04-005/12:30:00.0	55	Begin Tracking		
13547	M1O	04-005/12:30:00.0	55	Acquire D/L: X/08, 3-Way/43, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13548	M1O	04-005/12:30:00.0	43	Range Modulation Off		
13549	M1O	04-005/12:30:50.7	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
13550	M1O	04-005/12:30:56.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/12:21:22.2
13551	M1O	04-005/12:30:57.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/12:21:23.2
13552	M1O	04-005/12:31:30.8		NOTE: Descending Node Crossing 9135		04-005/12:21:56.1
13553	M1O	04-005/12:32:56.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/12:23:22.2
13554	M1O	04-005/12:32:57.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/12:23:23.2
13555	M1O	04-005/12:34:56.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/12:25:22.2
13556	M1O	04-005/12:34:57.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/12:25:23.2
13557	M1O	04-005/12:35:00.0	43	X-Band Transmitter Off		
13558	M1O	04-005/12:36:56.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/12:27:22.2
13559	M1O	04-005/12:36:57.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/12:27:23.2
13560	M1O	04-005/12:38:56.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/12:29:22.2
13561	M1O	04-005/12:38:57.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/12:29:23.2
13562	M1O	04-005/12:39:28.0	55	NOTE: Above Uplink Interlock Limit		
13563	M1O	04-005/12:40:00.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13564	M1O	04-005/12:40:56.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/12:31:22.2
13565	M1O	04-005/12:40:57.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/12:31:23.2
13566	M1O	04-005/12:42:56.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/12:33:22.2
13567	M1O	04-005/12:42:57.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/12:33:23.2
13568	M1O	04-005/12:43:53.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/12:34:19.2
13569	M1O	04-005/12:43:54.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-005/12:34:20.3
13570	M1O	04-005/12:44:04.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-005/12:34:30.3
13571	M1O	04-005/12:44:05.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-005/12:34:31.3
13572	M1O	04-005/12:44:06.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-005/12:34:32.3
13573	M1O	04-005/12:44:06.9	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13574	M1O	04-005/12:44:06.9	55	D/L Change: X/08, 3-Way/43, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13575	M1O	04-005/12:44:07.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-005/12:34:33.3
13576	M1O	04-005/12:45:00.0	55	Range Modulation On: SUP=3.0dB		
13577	M1O	04-005/12:45:31.0	43	NOTE: Below Uplink Interlock Limit		
13578	M1O	04-005/12:46:00.0	55	Begin Ranging Acquisition		
13579	M1O	04-005/12:48:07.2		SPAWN, Engine = 65535, Parameters = 3, 00:15:59.885, 1	dpt	04-005/12:38:32.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13580	M1O	04-005/12:48:09.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/12:38:34.6
13581	M1O	04-005/12:48:10.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-005/12:38:35.6
13582	M1O	04-005/12:50:00.0	43	End Tracking		
13583	M1O	04-005/12:50:00.1		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-005/12:40:25.4
13584	M1O	04-005/12:50:00.1		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	04-005/12:40:25.4
13585	M1O	04-005/12:50:00.1	55	D/L Change: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13586	M1O	04-005/12:54:09.2	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13587	M1O	04-005/12:59:09.2	55	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13588	M1O	04-005/13:00:50.5		NOTE: South Pole Crossing 9135		04-005/12:51:15.8
13589	M1O	04-005/13:02:24.2		NOTE: Periapsis 9135 ----------		04-005/12:52:49.5
13590	M1O	04-005/13:04:09.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-005/12:54:34.5
13591	M1O	04-005/13:04:09.2	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13592	M1O	04-005/13:04:10.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-005/12:54:35.5
13593	M1O	04-005/13:05:00.0	43	End Post-Cal		
13594	M1O	04-005/13:17:00.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
13595	M1O	04-005/13:27:00.0	55	Range Modulation Off		
13596	M1O	04-005/13:28:57.2		NOTE: Enter Solar Eclipse 9135		04-005/13:19:22.4
13597	M1O	04-005/13:30:06.1		NOTE: Ascending Node Crossing 9135		04-005/13:20:31.3
13598	M1O	04-005/13:32:00.0	55	X-Band Transmitter Off		
13599	M1O	04-005/13:49:46.5		NOTE: Exit Solar Eclipse 9135		04-005/13:40:11.7
13600	M1O	04-005/13:50:07.2		SPAWN, Engine = 65535, Parameters = 3, 00:32:42, 1	dpt	04-005/13:40:32.4
13601	M1O	04-005/13:50:09.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/13:40:34.5
13602	M1O	04-005/13:50:09.3	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13603	M1O	04-005/13:50:10.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-005/13:40:35.5
13604	M1O	04-005/13:51:09.5	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13605	M1O	04-005/13:51:10.8		NOTE: ENTER HGA KEEP OUT ZONE		
13606	M1O	04-005/13:51:10.8	55	NOTE: Loss Of X-Band Signal		
13607	M1O	04-005/13:58:06.6		NOTE: Enter Planetary Atmosphere 9135		04-005/13:48:31.8
13608	M1O	04-005/13:58:42.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13609	M1O	04-005/13:59:45.8		NOTE: Enter Earth Occultation 9135		04-005/13:50:10.9
13610	M1O	04-005/14:00:00.0	63	Begin Pre-Cal		
13611	M1O	04-005/14:00:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
13612	M1O	04-005/14:00:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
13613	M1O	04-005/14:00:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
13614	M1O	04-005/14:00:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
13615	M1O	04-005/14:00:00.0	63	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
13616	M1O	04-005/14:00:00.0	63	Config: RCV: Parms:		
13617	M1O	04-005/14:00:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
13618	M1O	04-005/14:00:00.0	63	Config: TGC: BAND=X, SR=79632.000000		
13619	M1O	04-005/14:00:00.0	63	Config: TXL		
13620	M1O	04-005/14:00:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
13621	M1O	04-005/14:00:00.0	63	Config: CMD		
13622	M1O	04-005/14:00:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
13623	M1O	04-005/14:00:01.8		NOTE: North Pole Crossing 9135		04-005/13:50:27.0
13624	M1O	04-005/14:02:08.6		NOTE: Apoapsis 9135 -		04-005/13:52:33.7
13625	M1O	04-005/14:03:42.0	55	Range Modulation On: SUP=3.0dB		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13626	M1O	04-005/14:04:42.0	55	Begin Ranging Acquisition		
13627	M1O	04-005/14:09:30.9		NOTE: EXIT HGA KEEP OUT ZONE		
13628	M1O	04-005/14:15:55.9		SPAWN, Engine = 65535, Parameters = 005, 03, TRUE, 00:13:39.640, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-005/14:06:21.0
13629	M1O	04-005/14:15:57.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-005/14:06:22.1
13630	M1O	04-005/14:15:59.0		CALL, Engine = , Parameters = 56	get_cmd_opt	04-005/14:06:24.1
13631	M1O	04-005/14:15:59.3		CALL, Engine = , Parameters = 005, 03, 056	bld_autosw	04-005/14:06:24.4
13632	M1O	04-005/14:16:00.4		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-005/14:06:25.5
13633	M1O	04-005/14:16:01.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/14:06:26.6
13634	M1O	04-005/14:16:02.5		Deletes the designated file.: d:/dat/056_doy005_pass03_file01.dat	FILE_DELETE	04-005/14:06:27.6
13635	M1O	04-005/14:16:03.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/14:06:28.7
13636	M1O	04-005/14:16:04.6		Deletes the designated file.: d:/dat/056_doy005_pass03_file02.dat	FILE_DELETE	04-005/14:06:29.7
13637	M1O	04-005/14:16:05.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/14:06:30.8
13638	M1O	04-005/14:16:06.7		Deletes the designated file.: d:/dat/056_doy005_pass03_file03.dat	FILE_DELETE	04-005/14:06:31.8
13639	M1O	04-005/14:16:07.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/14:06:32.9
13640	M1O	04-005/14:16:08.8		Deletes the designated file.: d:/dat/056_doy005_pass03_file04.dat	FILE_DELETE	04-005/14:06:33.9
13641	M1O	04-005/14:16:09.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/14:06:35.0
13642	M1O	04-005/14:16:10.9		Deletes the designated file.: d:/dat/056_doy005_pass03_file05.dat	FILE_DELETE	04-005/14:06:36.0
13643	M1O	04-005/14:16:12.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/14:06:37.1
13644	M1O	04-005/14:16:13.0		Deletes the designated file.: d:/dat/056_doy005_pass03_file06.dat	FILE_DELETE	04-005/14:06:38.1
13645	M1O	04-005/14:16:14.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/14:06:39.2
13646	M1O	04-005/14:16:15.1		Deletes the designated file.: d:/dat/056_doy005_pass03_file07.dat	FILE_DELETE	04-005/14:06:40.2
13647	M1O	04-005/14:16:16.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/14:06:41.3
13648	M1O	04-005/14:16:17.2		Deletes the designated file.: d:/dat/056_doy005_pass03_file08.dat	FILE_DELETE	04-005/14:06:42.3
13649	M1O	04-005/14:16:18.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/14:06:43.4
13650	M1O	04-005/14:16:19.3		Deletes the designated file.: d:/dat/056_doy005_pass03_file09.dat	FILE_DELETE	04-005/14:06:44.4
13651	M1O	04-005/14:16:20.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/14:06:45.5
13652	M1O	04-005/14:16:21.4		Deletes the designated file.: d:/dat/056_doy005_pass03_file10.dat	FILE_DELETE	04-005/14:06:46.5
13653	M1O	04-005/14:16:22.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/14:06:47.6
13654	M1O	04-005/14:16:23.5		Deletes the designated file.: d:/dat/056_doy005_pass03_file11.dat	FILE_DELETE	04-005/14:06:48.6
13655	M1O	04-005/14:16:24.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/14:06:49.7
13656	M1O	04-005/14:16:25.6		Deletes the designated file.: d:/dat/056_doy005_pass03_file12.dat	FILE_DELETE	04-005/14:06:50.7
13657	M1O	04-005/14:16:26.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/14:06:51.8
13658	M1O	04-005/14:16:27.7		Deletes the designated file.: d:/dat/056_doy005_pass03_file13.dat	FILE_DELETE	04-005/14:06:52.8
13659	M1O	04-005/14:16:28.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/14:06:53.9
13660	M1O	04-005/14:16:29.8		Deletes the designated file.: d:/dat/056_doy005_pass03_file14.dat	FILE_DELETE	04-005/14:06:54.9
13661	M1O	04-005/14:16:30.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/14:06:56.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13662	M1O	04-005/14:16:31.9		Deletes the designated file.: d:/dat/056_doy005_pass03_file15.dat	FILE_DELETE	04-005/14:06:57.0
13663	M1O	04-005/14:16:33.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/14:06:58.1
13664	M1O	04-005/14:16:34.0		Deletes the designated file.: d:/dat/056_doy005_pass03_file16.dat	FILE_DELETE	04-005/14:06:59.1
13665	M1O	04-005/14:16:35.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/14:07:00.2
13666	M1O	04-005/14:16:36.1		Deletes the designated file.: d:/dat/056_doy005_pass03_file17.dat	FILE_DELETE	04-005/14:07:01.2
13667	M1O	04-005/14:16:37.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/14:07:02.3
13668	M1O	04-005/14:16:38.2		Deletes the designated file.: d:/dat/056_doy005_pass03_file18.dat	FILE_DELETE	04-005/14:07:03.3
13669	M1O	04-005/14:16:39.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/14:07:04.4
13670	M1O	04-005/14:16:40.3		Deletes the designated file.: d:/dat/056_doy005_pass03_file19.dat	FILE_DELETE	04-005/14:07:05.4
13671	M1O	04-005/14:16:41.3		CALL, Engine = , Parameters = 56	get_apid	04-005/14:07:06.4
13672	M1O	04-005/14:16:42.4		CALL, Engine = , Parameters = 56	get_rcv_mode	04-005/14:07:07.5
13673	M1O	04-005/14:16:42.6		CALL, Engine = , Parameters = 56	get_dl_rate	04-005/14:07:07.7
13674	M1O	04-005/14:16:43.7		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-005/14:07:08.8
13675	M1O	04-005/14:16:44.9		CALL, Engine = , Parameters = 56	get_coding	04-005/14:07:10.0
13676	M1O	04-005/14:16:46.1		CALL, Engine = , Parameters = 56	get_xmt_mode	04-005/14:07:11.2
13677	M1O	04-005/14:16:47.3		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-005/14:07:12.4
13678	M1O	04-005/14:17:19.4		NOTE: Exit Earth Occultation 9135		04-005/14:07:44.5
13679	M1O	04-005/14:17:19.4	55	Acquisition Of X-Band Signal		
13680	M1O	04-005/14:17:19.4	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13681	M1O	04-005/14:17:51.7	55	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13682	M1O	04-005/14:17:52.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-005/14:08:17.2
13683	M1O	04-005/14:17:53.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-005/14:08:18.2
13684	M1O	04-005/14:17:54.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-005/14:08:19.2
13685	M1O	04-005/14:17:55.1		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-005/14:08:20.2
13686	M1O	04-005/14:17:56.1		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-005/14:08:21.2
13687	M1O	04-005/14:17:57.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-005/14:08:22.2
13688	M1O	04-005/14:17:58.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/14:08:23.2
13689	M1O	04-005/14:18:48.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/14:09:13.2
13690	M1O	04-005/14:18:58.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-005/14:09:23.2
13691	M1O	04-005/14:18:59.6		NOTE: Exit Planetary Atmosphere 9135		04-005/14:09:24.7
13692	M1O	04-005/14:20:59.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/14:11:24.2
13693	M1O	04-005/14:21:00.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/14:11:25.2
13694	M1O	04-005/14:22:51.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-005/14:13:16.5
13695	M1O	04-005/14:22:51.4	55	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13696	M1O	04-005/14:22:52.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/14:13:17.5
13697	M1O	04-005/14:22:52.4	55	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13698	M1O	04-005/14:22:52.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-005/14:13:17.5
13699	M1O	04-005/14:22:59.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/14:13:24.2
13700	M1O	04-005/14:23:00.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/14:13:25.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13701	M1O	04-005/14:24:59.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/14:15:24.2
13702	M1O	04-005/14:25:00.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
13703	M1O	04-005/14:25:00.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/14:15:25.2
13704	M1O	04-005/14:25:50.0	55	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
13705	M1O	04-005/14:26:59.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/14:17:24.2
13706	M1O	04-005/14:27:00.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/14:17:25.2
13707	M1O	04-005/14:28:59.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/14:19:24.2
13708	M1O	04-005/14:29:00.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/14:19:25.2
13709	M1O	04-005/14:30:01.4		NOTE: Descending Node Crossing 9136		04-005/14:20:26.5
13710	M1O	04-005/14:30:59.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/14:21:24.2
13711	M1O	04-005/14:31:00.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/14:21:25.2
13712	M1O	04-005/14:31:35.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/14:22:00.8
13713	M1O	04-005/14:31:36.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-005/14:22:01.9
13714	M1O	04-005/14:31:46.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-005/14:22:11.9
13715	M1O	04-005/14:31:47.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-005/14:22:12.9
13716	M1O	04-005/14:31:48.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-005/14:22:13.9
13717	M1O	04-005/14:31:48.9	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13718	M1O	04-005/14:31:49.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-005/14:22:14.9
13719	M1O	04-005/14:35:00.0	55	Range Modulation Off		
13720	M1O	04-005/14:36:48.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-005/14:27:13.6
13721	M1O	04-005/14:36:48.6	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13722	M1O	04-005/14:40:00.0	55	X-Band Transmitter Off		
13723	M1O	04-005/14:43:58.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-005/14:34:23.4
13724	M1O	04-005/14:44:00.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/14:34:25.5
13725	M1O	04-005/14:44:00.5	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13726	M1O	04-005/14:44:01.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-005/14:34:26.5
13727	M1O	04-005/14:45:00.0	55	End Tracking		
13728	M1O	04-005/14:45:00.0	55	End Post-Cal		
13729	M1O	04-005/14:45:00.0	63	Begin Tracking		
13730	M1O	04-005/14:45:00.0	63	Acquire D/L: X/08, 3-Way/55, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13731	M1O	04-005/14:45:00.4		NOTE: Changing to 70M downlink rate: 110600_BPS		04-005/14:35:25.4
13732	M1O	04-005/14:45:00.4		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	04-005/14:35:25.4
13733	M1O	04-005/14:45:00.4	63	D/L Change: X/08, 3-Way/55, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13734	M1O	04-005/14:46:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13735	M1O	04-005/14:50:00.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-005/14:40:25.5
13736	M1O	04-005/14:50:00.5	63	D/L Change: X/08, 3-Way/55, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
13737	M1O	04-005/14:50:01.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-005/14:40:26.5
13738	M1O	04-005/14:51:00.0	63	Range Modulation On: SUP=3.0dB		
13739	M1O	04-005/14:52:00.0	63	Begin Ranging Acquisition		
13740	M1O	04-005/14:58:07.4		SPAWN, Engine = 65535, Parameters = 3, 00:12:00, 1	dpt	04-005/14:48:32.4
13741	M1O	04-005/14:58:09.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/14:48:34.5
13742	M1O	04-005/14:58:09.5	63	D/L Change: X/08, 3-Way/55, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13743	M1O	04-005/14:58:10.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-005/14:48:35.5
13744	M1O	04-005/14:59:10.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13745	M1O	04-005/14:59:21.3		NOTE: South Pole Crossing 9136		04-005/14:49:46.2
13746	M1O	04-005/15:00:40.4		NOTE: Periapsis 9136 ----------		04-005/14:51:05.3
13747	M1O	04-005/15:05:10.0	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13748	M1O	04-005/15:10:09.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-005/15:00:34.5
13749	M1O	04-005/15:10:09.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13750	M1O	04-005/15:10:10.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-005/15:00:35.5
13751	M1O	04-005/15:15:30.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
13752	M1O	04-005/15:25:30.0	63	Range Modulation Off		
13753	M1O	04-005/15:27:30.0		NOTE: Enter Solar Eclipse 9136		04-005/15:17:54.8
13754	M1O	04-005/15:28:37.7		NOTE: Ascending Node Crossing 9136		04-005/15:19:02.6
13755	M1O	04-005/15:30:30.0	63	X-Band Transmitter Off		
13756	M1O	04-005/15:48:15.7		NOTE: Exit Solar Eclipse 9136		04-005/15:38:40.5
13757	M1O	04-005/15:48:37.6		SPAWN, Engine = 65535, Parameters = 3, 00:32:40, 1	dpt	04-005/15:39:02.4
13758	M1O	04-005/15:48:39.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/15:39:04.5
13759	M1O	04-005/15:48:39.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13760	M1O	04-005/15:48:40.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-005/15:39:05.5
13761	M1O	04-005/15:49:40.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13762	M1O	04-005/15:49:41.2		NOTE: ENTER HGA KEEP OUT ZONE		
13763	M1O	04-005/15:49:41.2	63	NOTE: Loss Of X-Band Signal		
13764	M1O	04-005/15:56:40.7		NOTE: Enter Planetary Atmosphere 9136		04-005/15:47:05.5
13765	M1O	04-005/15:57:10.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13766	M1O	04-005/15:58:20.5		NOTE: Enter Earth Occultation 9136		04-005/15:48:45.2
13767	M1O	04-005/15:58:33.4		NOTE: North Pole Crossing 9136		04-005/15:48:58.2
13768	M1O	04-005/16:00:45.8		NOTE: Apoapsis 9136 -		04-005/15:51:10.5
13769	M1O	04-005/16:02:10.0	63	Range Modulation On: SUP=3.0dB		
13770	M1O	04-005/16:03:10.0	63	Begin Ranging Acquisition		
13771	M1O	04-005/16:08:01.2		NOTE: EXIT HGA KEEP OUT ZONE		
13772	M1O	04-005/16:15:47.7		NOTE: Exit Earth Occultation 9136		04-005/16:06:12.4
13773	M1O	04-005/16:15:47.7	63	Acquisition Of X-Band Signal		
13774	M1O	04-005/16:15:47.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13775	M1O	04-005/16:16:20.4	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13776	M1O	04-005/16:17:28.4		NOTE: Exit Planetary Atmosphere 9136		04-005/16:07:53.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13777	M1O	04-005/16:21:19.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-005/16:11:44.5
13778	M1O	04-005/16:21:19.8	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13779	M1O	04-005/16:21:20.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-005/16:11:45.5
13780	M1O	04-005/16:28:33.0		NOTE: Descending Node Crossing 9137		04-005/16:18:57.7
13781	M1O	04-005/16:57:53.7		NOTE: South Pole Crossing 9137		04-005/16:48:18.2
13782	M1O	04-005/16:59:14.1		NOTE: Periapsis 9137 ----------		04-005/16:49:38.7
13783	M1O	04-005/17:14:01.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
13784	M1O	04-005/17:24:01.0	63	Range Modulation Off		
13785	M1O	04-005/17:26:04.0		NOTE: Enter Solar Eclipse 9137		04-005/17:16:28.5
13786	M1O	04-005/17:27:11.0		NOTE: Ascending Node Crossing 9137		04-005/17:17:35.5
13787	M1O	04-005/17:29:01.0	63	X-Band Transmitter Off		
13788	M1O	04-005/17:46:43.8		NOTE: Exit Solar Eclipse 9137		04-005/17:37:08.2
13789	M1O	04-005/17:47:09.0		SPAWN, Engine = 65535, Parameters = 3, 00:32:35.883, 1	dpt	04-005/17:37:33.4
13790	M1O	04-005/17:47:11.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/17:37:35.5
13791	M1O	04-005/17:47:11.1	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13792	M1O	04-005/17:47:12.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-005/17:37:36.5
13793	M1O	04-005/17:48:12.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13794	M1O	04-005/17:48:12.5		NOTE: ENTER HGA KEEP OUT ZONE		
13795	M1O	04-005/17:48:12.5	63	NOTE: Loss Of X-Band Signal		
13796	M1O	04-005/17:55:22.6		NOTE: Enter Planetary Atmosphere 9137		04-005/17:45:47.0
13797	M1O	04-005/17:55:38.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13798	M1O	04-005/17:57:03.5		NOTE: Enter Earth Occultation 9137		04-005/17:47:27.9
13799	M1O	04-005/17:57:08.1		NOTE: North Pole Crossing 9137		04-005/17:47:32.5
13800	M1O	04-005/17:59:20.1		NOTE: Apoapsis 9137 -		04-005/17:49:44.5
13801	M1O	04-005/18:00:38.0	63	Range Modulation On: SUP=3.0dB		
13802	M1O	04-005/18:01:38.0	63	Begin Ranging Acquisition		
13803	M1O	04-005/18:06:32.6		NOTE: EXIT HGA KEEP OUT ZONE		
13804	M1O	04-005/18:14:16.7		NOTE: Exit Earth Occultation 9137		04-005/18:04:41.0
13805	M1O	04-005/18:14:16.7	63	Acquisition Of X-Band Signal		
13806	M1O	04-005/18:14:16.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13807	M1O	04-005/18:14:49.2	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13808	M1O	04-005/18:15:58.6		NOTE: Exit Planetary Atmosphere 9137		04-005/18:06:23.0
13809	M1O	04-005/18:19:47.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-005/18:10:11.4
13810	M1O	04-005/18:19:47.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13811	M1O	04-005/18:19:48.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-005/18:10:12.4
13812	M1O	04-005/18:27:09.1		NOTE: Descending Node Crossing 9138		04-005/18:17:33.4
13813	M1O	04-005/18:56:29.8		NOTE: South Pole Crossing 9138		04-005/18:46:54.0
13814	M1O	04-005/18:57:54.9		NOTE: Periapsis 9138 ----------		04-005/18:48:19.0
13815	M1O	04-005/19:06:31.8		SPAWN, Engine = 65535, Parameters = 005, 03, TRUE, 00:19:07, 254, TRUE, 32_KPS, 00:05:00, 00:00:00	uhf	04-005/18:56:56.0
13816	M1O	04-005/19:06:32.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/18:56:56.5
13817	M1O	04-005/19:06:32.3	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13818	M1O	04-005/19:06:32.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-005/18:56:57.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13819	M1O	04-005/19:06:34.9		CALL, Engine = , Parameters = 254	get_cmd_opt	04-005/18:56:59.1
13820	M1O	04-005/19:06:35.2		CALL, Engine = , Parameters = 005, 03, 254	bld_autosw	04-005/18:56:59.4
13821	M1O	04-005/19:06:36.3		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-005/18:57:00.5
13822	M1O	04-005/19:06:37.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/18:57:01.6
13823	M1O	04-005/19:06:38.4		Deletes the designated file.: d:/dat/254_doy005_pass03_file01.dat	FILE_DELETE	04-005/18:57:02.6
13824	M1O	04-005/19:06:39.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/18:57:03.7
13825	M1O	04-005/19:06:40.5		Deletes the designated file.: d:/dat/254_doy005_pass03_file02.dat	FILE_DELETE	04-005/18:57:04.7
13826	M1O	04-005/19:06:41.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/18:57:05.8
13827	M1O	04-005/19:06:42.6		Deletes the designated file.: d:/dat/254_doy005_pass03_file03.dat	FILE_DELETE	04-005/18:57:06.8
13828	M1O	04-005/19:06:43.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/18:57:07.9
13829	M1O	04-005/19:06:44.7		Deletes the designated file.: d:/dat/254_doy005_pass03_file04.dat	FILE_DELETE	04-005/18:57:08.9
13830	M1O	04-005/19:06:45.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/18:57:10.0
13831	M1O	04-005/19:06:46.8		Deletes the designated file.: d:/dat/254_doy005_pass03_file05.dat	FILE_DELETE	04-005/18:57:11.0
13832	M1O	04-005/19:06:47.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/18:57:12.1
13833	M1O	04-005/19:06:48.9		Deletes the designated file.: d:/dat/254_doy005_pass03_file06.dat	FILE_DELETE	04-005/18:57:13.1
13834	M1O	04-005/19:06:50.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/18:57:14.2
13835	M1O	04-005/19:06:51.0		Deletes the designated file.: d:/dat/254_doy005_pass03_file07.dat	FILE_DELETE	04-005/18:57:15.2
13836	M1O	04-005/19:06:52.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/18:57:16.3
13837	M1O	04-005/19:06:53.1		Deletes the designated file.: d:/dat/254_doy005_pass03_file08.dat	FILE_DELETE	04-005/18:57:17.3
13838	M1O	04-005/19:06:54.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/18:57:18.4
13839	M1O	04-005/19:06:55.2		Deletes the designated file.: d:/dat/254_doy005_pass03_file09.dat	FILE_DELETE	04-005/18:57:19.4
13840	M1O	04-005/19:06:56.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/18:57:20.5
13841	M1O	04-005/19:06:57.3		Deletes the designated file.: d:/dat/254_doy005_pass03_file10.dat	FILE_DELETE	04-005/18:57:21.5
13842	M1O	04-005/19:06:58.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/18:57:22.6
13843	M1O	04-005/19:06:59.4		Deletes the designated file.: d:/dat/254_doy005_pass03_file11.dat	FILE_DELETE	04-005/18:57:23.6
13844	M1O	04-005/19:07:00.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/18:57:24.7
13845	M1O	04-005/19:07:01.5		Deletes the designated file.: d:/dat/254_doy005_pass03_file12.dat	FILE_DELETE	04-005/18:57:25.7
13846	M1O	04-005/19:07:02.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/18:57:26.8
13847	M1O	04-005/19:07:03.6		Deletes the designated file.: d:/dat/254_doy005_pass03_file13.dat	FILE_DELETE	04-005/18:57:27.8
13848	M1O	04-005/19:07:04.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/18:57:28.9
13849	M1O	04-005/19:07:05.7		Deletes the designated file.: d:/dat/254_doy005_pass03_file14.dat	FILE_DELETE	04-005/18:57:29.9
13850	M1O	04-005/19:07:06.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/18:57:31.0
13851	M1O	04-005/19:07:07.8		Deletes the designated file.: d:/dat/254_doy005_pass03_file15.dat	FILE_DELETE	04-005/18:57:32.0
13852	M1O	04-005/19:07:08.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/18:57:33.1
13853	M1O	04-005/19:07:09.9		Deletes the designated file.: d:/dat/254_doy005_pass03_file16.dat	FILE_DELETE	04-005/18:57:34.1
13854	M1O	04-005/19:07:11.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/18:57:35.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13855	M1O	04-005/19:07:12.0		Deletes the designated file.: d:/dat/254_doy005_pass03_file17.dat	FILE_DELETE	04-005/18:57:36.2
13856	M1O	04-005/19:07:13.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/18:57:37.3
13857	M1O	04-005/19:07:14.1		Deletes the designated file.: d:/dat/254_doy005_pass03_file18.dat	FILE_DELETE	04-005/18:57:38.3
13858	M1O	04-005/19:07:15.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy005_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/18:57:39.4
13859	M1O	04-005/19:07:16.2		Deletes the designated file.: d:/dat/254_doy005_pass03_file19.dat	FILE_DELETE	04-005/18:57:40.4
13860	M1O	04-005/19:07:17.2		CALL, Engine = , Parameters = 254	get_apid	04-005/18:57:41.4
13861	M1O	04-005/19:07:18.3		CALL, Engine = , Parameters = 254	get_rcv_mode	04-005/18:57:42.5
13862	M1O	04-005/19:07:18.5		CALL, Engine = , Parameters = 254	get_dl_rate	04-005/18:57:42.7
13863	M1O	04-005/19:07:19.6		CALL, Engine = , Parameters = 254, TRUE	get_modulatn	04-005/18:57:43.8
13864	M1O	04-005/19:07:20.9		CALL, Engine = , Parameters = 254	get_coding	04-005/18:57:45.1
13865	M1O	04-005/19:07:22.1		CALL, Engine = , Parameters = 254	get_xmt_mode	04-005/18:57:46.3
13866	M1O	04-005/19:07:23.3		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-005/18:57:47.5
13867	M1O	04-005/19:08:28.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-005/18:58:52.3
13868	M1O	04-005/19:08:29.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-005/18:58:53.3
13869	M1O	04-005/19:08:30.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-005/18:58:54.3
13870	M1O	04-005/19:08:31.1		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-005/18:58:55.3
13871	M1O	04-005/19:08:32.1		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-005/18:58:56.3
13872	M1O	04-005/19:08:33.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-005/18:58:57.3
13873	M1O	04-005/19:08:34.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/18:58:58.3
13874	M1O	04-005/19:08:35.1		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-005/18:58:59.3
13875	M1O	04-005/19:08:36.1		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-005/18:59:00.3
13876	M1O	04-005/19:12:36.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
13877	M1O	04-005/19:13:24.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/19:03:48.3
13878	M1O	04-005/19:13:34.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-005/19:03:58.3
13879	M1O	04-005/19:22:36.0	63	Range Modulation Off		
13880	M1O	04-005/19:24:39.2		NOTE: Enter Solar Eclipse 9138		04-005/19:15:03.3
13881	M1O	04-005/19:25:46.8		NOTE: Ascending Node Crossing 9138		04-005/19:16:10.9
13882	M1O	04-005/19:27:36.0	63	X-Band Transmitter Off		
13883	M1O	04-005/19:27:36.2		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-005/19:18:00.3
13884	M1O	04-005/19:27:37.2		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-005/19:18:01.3
13885	M1O	04-005/19:27:39.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/19:18:03.3
13886	M1O	04-005/19:27:40.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-005/19:18:04.4
13887	M1O	04-005/19:27:50.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-005/19:18:14.4
13888	M1O	04-005/19:27:51.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-005/19:18:15.4
13889	M1O	04-005/19:27:52.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-005/19:18:16.4
13890	M1O	04-005/19:27:52.3	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13891	M1O	04-005/19:27:53.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-005/19:18:17.4
13892	M1O	04-005/19:32:51.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-005/19:23:16.0
13893	M1O	04-005/19:32:51.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13894	M1O	04-005/19:45:16.4		NOTE: Exit Solar Eclipse 9138		04-005/19:35:40.4
13895	M1O	04-005/19:45:45.4		SPAWN, Engine = 65535, Parameters = 3, 00:32:35, 1	dpt	04-005/19:36:09.5
13896	M1O	04-005/19:45:47.5		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-005/19:36:11.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
13897	M1O	04-005/19:45:47.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13898	M1O	04-005/19:45:48.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-005/19:36:12.6
13899	M1O	04-005/19:46:47.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13900	M1O	04-005/19:46:48.9		NOTE: ENTER HGA KEEP OUT ZONE		
13901	M1O	04-005/19:46:48.9	63	NOTE: Loss Of X-Band Signal		
13902	M1O	04-005/19:54:02.5		NOTE: Enter Planetary Atmosphere 9138		04-005/19:44:26.5
13903	M1O	04-005/19:54:11.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13904	M1O	04-005/19:55:44.0		NOTE: Enter Earth Occultation 9138		04-005/19:46:08.0
13905	M1O	04-005/19:55:44.6		NOTE: North Pole Crossing 9138		04-005/19:46:08.6
13906	M1O	04-005/19:57:48.3		NOTE: Apoapsis 9138 -		04-005/19:48:12.3
13907	M1O	04-005/19:59:11.0	63	Range Modulation On: SUP=3.0dB		
13908	M1O	04-005/20:00:11.0	63	Begin Ranging Acquisition		
13909	M1O	04-005/20:05:09.0		NOTE: EXIT HGA KEEP OUT ZONE		
13910	M1O	04-005/20:12:50.8		NOTE: Exit Earth Occultation 9138		04-005/20:03:14.7
13911	M1O	04-005/20:12:50.8	63	Acquisition Of X-Band Signal		
13912	M1O	04-005/20:12:50.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13913	M1O	04-005/20:13:22.9	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13914	M1O	04-005/20:14:33.3		NOTE: Exit Planetary Atmosphere 9138		04-005/20:04:57.2
13915	M1O	04-005/20:18:22.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-005/20:08:46.6
13916	M1O	04-005/20:18:22.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13917	M1O	04-005/20:18:23.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-005/20:08:47.6
13918	M1O	04-005/20:25:46.3		NOTE: Descending Node Crossing 9139		04-005/20:16:10.2
13919	M1O	04-005/20:55:06.8		NOTE: South Pole Crossing 9139		04-005/20:45:30.7
13920	M1O	04-005/20:56:28.5		NOTE: Periapsis 9139 ----------		04-005/20:46:52.3
13921	M1O	04-005/21:08:35.2		SPAWN, Engine = 65535, Parameters = 005, 04, FALSE, 00:08:51.306, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-005/20:58:59.0
13922	M1O	04-005/21:08:36.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-005/20:59:00.1
13923	M1O	04-005/21:08:38.3		CALL, Engine = , Parameters = 254	get_cmd_opt	04-005/20:59:02.1
13924	M1O	04-005/21:09:20.5		CALL, Engine = , Parameters = 254	get_apid	04-005/20:59:44.3
13925	M1O	04-005/21:09:21.6		CALL, Engine = , Parameters = 254	get_rcv_mode	04-005/20:59:45.4
13926	M1O	04-005/21:09:21.8		CALL, Engine = , Parameters = 254	get_dl_rate	04-005/20:59:45.6
13927	M1O	04-005/21:09:22.9		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-005/20:59:46.7
13928	M1O	04-005/21:09:24.2		CALL, Engine = , Parameters = 254	get_coding	04-005/20:59:48.0
13929	M1O	04-005/21:09:25.4		CALL, Engine = , Parameters = 254	get_xmt_mode	04-005/20:59:49.2
13930	M1O	04-005/21:09:26.6		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-005/20:59:50.4
13931	M1O	04-005/21:10:31.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-005/21:00:55.2
13932	M1O	04-005/21:10:32.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-005/21:00:56.2
13933	M1O	04-005/21:10:33.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-005/21:00:57.2
13934	M1O	04-005/21:10:34.4		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-005/21:00:58.2
13935	M1O	04-005/21:10:35.4		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-005/21:00:59.2
13936	M1O	04-005/21:10:36.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-005/21:01:00.2
13937	M1O	04-005/21:10:37.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/21:01:01.2
13938	M1O	04-005/21:11:13.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
13939	M1O	04-005/21:19:24.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK,	UHF_XMIT_MODE	04-005/21:09:48.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT, DISABLE		
13940	M1O	04-005/21:19:25.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-005/21:09:49.6
13941	M1O	04-005/21:19:35.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-005/21:09:59.6
13942	M1O	04-005/21:19:36.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-005/21:10:00.6
13943	M1O	04-005/21:21:13.0	63	Range Modulation Off		
13944	M1O	04-005/21:23:15.7		NOTE: Enter Solar Eclipse 9139		04-005/21:13:39.4
13945	M1O	04-005/21:24:23.6		NOTE: Ascending Node Crossing 9139		04-005/21:14:47.3
13946	M1O	04-005/21:26:13.0	63	X-Band Transmitter Off		
13947	M1O	04-005/21:43:53.2		NOTE: Exit Solar Eclipse 9139		04-005/21:34:16.9
13948	M1O	04-005/21:44:22.8		SPAWN, Engine = 65535, Parameters = 3, 00:32:35, 1	dpt	04-005/21:34:46.5
13949	M1O	04-005/21:44:24.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/21:34:48.6
13950	M1O	04-005/21:44:24.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13951	M1O	04-005/21:44:25.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-005/21:34:49.6
13952	M1O	04-005/21:45:00.0	26	Begin Pre-Cal		
13953	M1O	04-005/21:45:00.0	26	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
13954	M1O	04-005/21:45:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
13955	M1O	04-005/21:45:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
13956	M1O	04-005/21:45:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
13957	M1O	04-005/21:45:00.0	26	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
13958	M1O	04-005/21:45:00.0	26	Config: RCV: Parms:		
13959	M1O	04-005/21:45:00.0	26	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
13960	M1O	04-005/21:45:00.0	26	Config: TGC: BAND=X, SR=221200.000000		
13961	M1O	04-005/21:45:00.0	26	Config: TXL		
13962	M1O	04-005/21:45:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
13963	M1O	04-005/21:45:00.0	26	Config: CMD		
13964	M1O	04-005/21:45:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
13965	M1O	04-005/21:45:25.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13966	M1O	04-005/21:45:26.3		NOTE: ENTER HGA KEEP OUT ZONE		
13967	M1O	04-005/21:45:26.3	63	NOTE: Loss Of X-Band Signal		
13968	M1O	04-005/21:52:37.1		NOTE: Enter Planetary Atmosphere 9139		04-005/21:43:00.8
13969	M1O	04-005/21:52:48.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13970	M1O	04-005/21:54:18.3		NOTE: Enter Earth Occultation 9139		04-005/21:44:41.9
13971	M1O	04-005/21:54:21.0		NOTE: North Pole Crossing 9139		04-005/21:44:44.6
13972	M1O	04-005/21:56:09.9		NOTE: Apoapsis 9139 -		04-005/21:46:33.5
13973	M1O	04-005/21:57:48.0	63	Range Modulation On: SUP=3.0dB		
13974	M1O	04-005/21:58:48.0	63	Begin Ranging Acquisition		
13975	M1O	04-005/22:03:46.3		NOTE: EXIT HGA KEEP OUT ZONE		
13976	M1O	04-005/22:11:28.5		NOTE: Exit Earth Occultation 9139		04-005/22:01:52.1
13977	M1O	04-005/22:11:28.5	63	Acquisition Of X-Band Signal		
13978	M1O	04-005/22:11:28.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13979	M1O	04-005/22:12:00.7	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13980	M1O	04-005/22:13:10.7		NOTE: Exit Planetary Atmosphere 9139		04-005/22:03:34.3
13981	M1O	04-005/22:17:00.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-005/22:07:23.6
13982	M1O	04-005/22:17:00.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13983	M1O	04-005/22:17:01.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-005/22:07:24.6
13984	M1O	04-005/22:24:22.1		NOTE: Descending Node Crossing 9140		04-005/22:14:45.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13985	M1O	04-005/22:30:59.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
13986	M1O	04-005/22:40:59.0	63	Range Modulation Off		
13987	M1O	04-005/22:45:00.0	26	Begin Tracking		
13988	M1O	04-005/22:45:00.0	26	Acquire D/L: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13989	M1O	04-005/22:45:59.0	63	X-Band Transmitter Off		
13990	M1O	04-005/22:46:00.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13991	M1O	04-005/22:51:00.0	26	Range Modulation On: SUP=3.0dB		
13992	M1O	04-005/22:52:00.0	26	Begin Ranging Acquisition		
13993	M1O	04-005/22:53:42.7		NOTE: South Pole Crossing 9140		04-005/22:44:06.2
13994	M1O	04-005/22:55:02.8		NOTE: Periapsis 9140 ----------		04-005/22:45:26.3
13995	M1O	04-005/23:04:09.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:01, 1	dpt	04-005/22:54:32.5
13996	M1O	04-005/23:04:11.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/22:54:34.6
13997	M1O	04-005/23:04:11.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13998	M1O	04-005/23:04:11.2	26	D/L Change: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
13999	M1O	04-005/23:04:12.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-005/22:54:35.6
14000	M1O	04-005/23:05:12.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14001	M1O	04-005/23:05:12.0	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14002	M1O	04-005/23:05:13.0	63	Acquire D/L: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14003	M1O	04-005/23:05:13.0	26	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14004	M1O	04-005/23:09:48.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
14005	M1O	04-005/23:10:12.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-005/23:00:35.6
14006	M1O	04-005/23:10:12.2	63	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14007	M1O	04-005/23:10:12.2	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14008	M1O	04-005/23:10:13.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-005/23:00:36.6
14009	M1O	04-005/23:19:48.0	26	Range Modulation Off		
14010	M1O	04-005/23:21:51.5		NOTE: Enter Solar Eclipse 9140		04-005/23:12:14.9
14011	M1O	04-005/23:22:03.6		SPAWN, Engine = 65535, Parameters = 005, 04, TRUE, 00:08:43.183, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-005/23:12:27.0
14012	M1O	04-005/23:22:04.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/23:12:27.5
14013	M1O	04-005/23:22:04.1	63	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14014	M1O	04-005/23:22:04.1	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14015	M1O	04-005/23:22:04.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-005/23:12:28.1
14016	M1O	04-005/23:22:06.7		CALL, Engine = , Parameters = 56	get_cmd_opt	04-005/23:12:30.1
14017	M1O	04-005/23:22:07.0		CALL, Engine = , Parameters = 005, 04, 056	bld_autosw	04-005/23:12:30.4
14018	M1O	04-005/23:22:08.1		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-005/23:12:31.5
14019	M1O	04-005/23:22:09.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/23:12:32.6
14020	M1O	04-005/23:22:10.2		Deletes the designated file.: d:/dat/056_doy005_pass04_file01.dat	FILE_DELETE	04-005/23:12:33.6
14021	M1O	04-005/23:22:11.3		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-005/23:12:34.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy005_pass04_file02.dat, d:/dat/autoswitch.dat		
14022	M1O	04-005/23:22:12.3		Deletes the designated file.: d:/dat/056_doy005_pass04_file02.dat	FILE_DELETE	04-005/23:12:35.7
14023	M1O	04-005/23:22:13.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/23:12:36.8
14024	M1O	04-005/23:22:14.4		Deletes the designated file.: d:/dat/056_doy005_pass04_file03.dat	FILE_DELETE	04-005/23:12:37.8
14025	M1O	04-005/23:22:15.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/23:12:38.9
14026	M1O	04-005/23:22:16.5		Deletes the designated file.: d:/dat/056_doy005_pass04_file04.dat	FILE_DELETE	04-005/23:12:39.9
14027	M1O	04-005/23:22:17.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/23:12:41.0
14028	M1O	04-005/23:22:18.6		Deletes the designated file.: d:/dat/056_doy005_pass04_file05.dat	FILE_DELETE	04-005/23:12:42.0
14029	M1O	04-005/23:22:19.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/23:12:43.1
14030	M1O	04-005/23:22:20.7		Deletes the designated file.: d:/dat/056_doy005_pass04_file06.dat	FILE_DELETE	04-005/23:12:44.1
14031	M1O	04-005/23:22:21.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/23:12:45.2
14032	M1O	04-005/23:22:22.8		Deletes the designated file.: d:/dat/056_doy005_pass04_file07.dat	FILE_DELETE	04-005/23:12:46.2
14033	M1O	04-005/23:22:23.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/23:12:47.3
14034	M1O	04-005/23:22:24.9		Deletes the designated file.: d:/dat/056_doy005_pass04_file08.dat	FILE_DELETE	04-005/23:12:48.3
14035	M1O	04-005/23:22:26.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/23:12:49.4
14036	M1O	04-005/23:22:27.0		Deletes the designated file.: d:/dat/056_doy005_pass04_file09.dat	FILE_DELETE	04-005/23:12:50.4
14037	M1O	04-005/23:22:28.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/23:12:51.5
14038	M1O	04-005/23:22:29.1		Deletes the designated file.: d:/dat/056_doy005_pass04_file10.dat	FILE_DELETE	04-005/23:12:52.5
14039	M1O	04-005/23:22:30.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/23:12:53.6
14040	M1O	04-005/23:22:31.2		Deletes the designated file.: d:/dat/056_doy005_pass04_file11.dat	FILE_DELETE	04-005/23:12:54.6
14041	M1O	04-005/23:22:32.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/23:12:55.7
14042	M1O	04-005/23:22:33.3		Deletes the designated file.: d:/dat/056_doy005_pass04_file12.dat	FILE_DELETE	04-005/23:12:56.7
14043	M1O	04-005/23:22:34.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/23:12:57.8
14044	M1O	04-005/23:22:35.4		Deletes the designated file.: d:/dat/056_doy005_pass04_file13.dat	FILE_DELETE	04-005/23:12:58.8
14045	M1O	04-005/23:22:36.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/23:12:59.9
14046	M1O	04-005/23:22:37.5		Deletes the designated file.: d:/dat/056_doy005_pass04_file14.dat	FILE_DELETE	04-005/23:13:00.9
14047	M1O	04-005/23:22:38.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/23:13:02.0
14048	M1O	04-005/23:22:39.6		Deletes the designated file.: d:/dat/056_doy005_pass04_file15.dat	FILE_DELETE	04-005/23:13:03.0
14049	M1O	04-005/23:22:40.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/23:13:04.1
14050	M1O	04-005/23:22:41.7		Deletes the designated file.: d:/dat/056_doy005_pass04_file16.dat	FILE_DELETE	04-005/23:13:05.1
14051	M1O	04-005/23:22:42.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/23:13:06.2
14052	M1O	04-005/23:22:43.8		Deletes the designated file.: d:/dat/056_doy005_pass04_file17.dat	FILE_DELETE	04-005/23:13:07.2
14053	M1O	04-005/23:22:44.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/23:13:08.3
14054	M1O	04-005/23:22:45.9		Deletes the designated file.: d:/dat/056_doy005_pass04_file18.dat	FILE_DELETE	04-005/23:13:09.3
14055	M1O	04-005/23:22:47.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/23:13:10.4
14056	M1O	04-005/23:22:48.0		Deletes the designated file.: d:/dat/056_doy005_pass04_file19.dat	FILE_DELETE	04-005/23:13:11.4
14057	M1O	04-005/23:22:49.0		CALL, Engine = , Parameters = 56	get_apid	04-005/23:13:12.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14058	M1O	04-005/23:22:50.1		CALL, Engine = , Parameters = 56	get_rcv_mode	04-005/23:13:13.5
14059	M1O	04-005/23:22:50.3		CALL, Engine = , Parameters = 56	get_dl_rate	04-005/23:13:13.7
14060	M1O	04-005/23:22:51.4		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-005/23:13:14.8
14061	M1O	04-005/23:22:52.6		CALL, Engine = , Parameters = 56	get_coding	04-005/23:13:16.0
14062	M1O	04-005/23:22:53.8		CALL, Engine = , Parameters = 56	get_xmt_mode	04-005/23:13:17.2
14063	M1O	04-005/23:22:55.0		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-005/23:13:18.4
14064	M1O	04-005/23:22:59.6		NOTE: Ascending Node Crossing 9140		04-005/23:13:22.9
14065	M1O	04-005/23:23:59.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-005/23:14:23.2
14066	M1O	04-005/23:24:00.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-005/23:14:24.2
14067	M1O	04-005/23:24:01.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-005/23:14:25.2
14068	M1O	04-005/23:24:02.8		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-005/23:14:26.2
14069	M1O	04-005/23:24:03.8		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-005/23:14:27.2
14070	M1O	04-005/23:24:04.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-005/23:14:28.2
14071	M1O	04-005/23:24:05.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/23:14:29.2
14072	M1O	04-005/23:24:48.0	26	X-Band Transmitter Off		
14073	M1O	04-005/23:24:55.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/23:15:19.2
14074	M1O	04-005/23:25:05.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-005/23:15:29.2
14075	M1O	04-005/23:25:44.0	63	NOTE: Below Uplink Interlock Limit		
14076	M1O	04-005/23:27:06.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/23:17:30.2
14077	M1O	04-005/23:27:07.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/23:17:31.2
14078	M1O	04-005/23:29:06.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/23:19:30.2
14079	M1O	04-005/23:29:07.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/23:19:31.2
14080	M1O	04-005/23:31:06.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/23:21:30.2
14081	M1O	04-005/23:31:07.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-005/23:21:31.2
14082	M1O	04-005/23:32:47.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/23:23:10.3
14083	M1O	04-005/23:32:48.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-005/23:23:11.4
14084	M1O	04-005/23:32:58.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-005/23:23:21.4
14085	M1O	04-005/23:32:59.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-005/23:23:22.4
14086	M1O	04-005/23:33:00.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-005/23:23:23.4
14087	M1O	04-005/23:33:00.1	63	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14088	M1O	04-005/23:33:00.1	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14089	M1O	04-005/23:33:01.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-005/23:23:24.4
14090	M1O	04-005/23:33:59.0		SPAWN, Engine = 65535, Parameters = 3, 00:41:36.082, 1	dpt	04-005/23:24:22.3
14091	M1O	04-005/23:34:01.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/23:24:24.4
14092	M1O	04-005/23:34:02.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-005/23:24:25.4
14093	M1O	04-005/23:35:00.0	63	End Tracking		
14094	M1O	04-005/23:35:01.0		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-005/23:25:24.3
14095	M1O	04-005/23:35:01.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data	DOWNLINK_RATE	04-005/23:25:24.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				is clocked out of the C&DH.: 39816_BPS		
14096	M1O	04-005/23:35:01.0	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14097	M1O	04-005/23:42:31.9		NOTE: Exit Solar Eclipse 9140		04-005/23:32:55.2
14098	M1O	04-005/23:44:01.2	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14099	M1O	04-005/23:44:01.6		NOTE: ENTER HGA KEEP OUT ZONE		
14100	M1O	04-005/23:44:01.6	26	NOTE: Loss Of X-Band Signal		
14101	M1O	04-005/23:50:00.0	63	End Post-Cal		
14102	M1O	04-005/23:51:06.3		NOTE: Enter Planetary Atmosphere 9140		04-005/23:41:29.6
14103	M1O	04-005/23:51:26.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14104	M1O	04-005/23:52:46.6		NOTE: Enter Earth Occultation 9140		04-005/23:43:09.9
14105	M1O	04-005/23:52:55.8		NOTE: North Pole Crossing 9140		04-005/23:43:19.1
14106	M1O	04-005/23:54:40.7		NOTE: Apoapsis 9140 -		04-005/23:45:03.9
14107	M1O	04-005/23:56:26.0	26	Range Modulation On: SUP=3.0dB		
14108	M1O	04-005/23:57:26.0	26	Begin Ranging Acquisition		
14109	M1O	04-006/00:00:00.0		Light Time: OWLT = 09:36, RTLT = 19:13		
14110	M1O	04-006/00:02:21.7		NOTE: EXIT HGA KEEP OUT ZONE		
14111	M1O	04-006/00:10:06.7		NOTE: Exit Earth Occultation 9140		04-006/00:00:29.9
14112	M1O	04-006/00:10:06.7	26	Acquisition Of X-Band Signal		
14113	M1O	04-006/00:10:06.7	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14114	M1O	04-006/00:10:39.4	26	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14115	M1O	04-006/00:11:48.0		NOTE: Exit Planetary Atmosphere 9140		04-006/00:02:11.2
14116	M1O	04-006/00:12:28.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
14117	M1O	04-006/00:15:37.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-006/00:06:00.5
14118	M1O	04-006/00:15:37.3	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14119	M1O	04-006/00:15:38.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-006/00:06:01.5
14120	M1O	04-006/00:22:28.0	26	Range Modulation Off		
14121	M1O	04-006/00:22:55.5		NOTE: Descending Node Crossing 9141		04-006/00:13:18.7
14122	M1O	04-006/00:27:28.0	26	X-Band Transmitter Off		
14123	M1O	04-006/00:35:55.8		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-006/00:26:19.0
14124	M1O	04-006/00:35:55.9		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-006/00:26:19.1
14125	M1O	04-006/00:35:56.9		Forces a desaturation of the reaction wheels.	RW_DESAT	04-006/00:26:20.1
14126	M1O	04-006/00:38:30.8		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-006/00:28:54.0
14127	M1O	04-006/00:38:46.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-004T00:28:54.100, 2004-006T00:28:54.100	PCKTS_RE_TX_TIME	04-006/00:29:09.8
14128	M1O	04-006/00:38:47.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-004T00:28:54.100, 2004-006T00:28:54.100	PCKTS_RE_TX_TIME	04-006/00:29:10.8
14129	M1O	04-006/00:38:48.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-004T00:28:54.100, 2004-006T00:28:54.100	PCKTS_RE_TX_TIME	04-006/00:29:11.8
14130	M1O	04-006/00:38:49.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-004T00:28:54.100, 2004-006T00:28:54.100	PCKTS_RE_TX_TIME	04-006/00:29:12.8
14131	M1O	04-006/00:38:50.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-004T00:28:54.100, 2004-006T00:28:54.100	PCKTS_RE_TX_TIME	04-006/00:29:13.8
14132	M1O	04-006/00:38:51.6		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-004T00:28:54.100, 2004-006T00:28:54.100	PCKTS_RE_TX_TIME	04-006/00:29:14.8
14133	M1O	04-006/00:38:51.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-006/00:29:14.8
14134	M1O	04-006/00:38:51.6	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14135	M1O	04-006/00:45:52.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/00:36:15.8
14136	M1O	04-006/00:45:52.6	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14137	M1O	04-006/00:45:53.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-006/00:36:16.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14138	M1O	04-006/00:46:09.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-006/00:36:32.8
14139	M1O	04-006/00:46:09.6	26	D/L RF Warning: SC antenna change - expect signal level variation		
14140	M1O	04-006/00:46:10.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-006/00:36:33.8
14141	M1O	04-006/00:46:41.6	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14142	M1O	04-006/00:47:26.9		CALL, Engine = , Parameters = FALSE	park_hga	04-006/00:37:50.1
14143	M1O	04-006/00:47:26.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/00:37:50.1
14144	M1O	04-006/00:47:27.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-006/00:37:51.1
14145	M1O	04-006/00:47:28.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-006/00:37:52.1
14146	M1O	04-006/00:47:28.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-006/00:37:52.1
14147	M1O	04-006/00:47:28.9		NOTE: START HGA PARK		
14148	M1O	04-006/00:47:28.9	26	NOTE: Loss Of X-Band Signal		
14149	M1O	04-006/00:47:29.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-006/00:37:53.1
14150	M1O	04-006/00:47:30.9		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-006/00:37:54.1
14151	M1O	04-006/00:52:01.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-006/00:42:24.1
14152	M1O	04-006/00:52:15.9		NOTE: South Pole Crossing 9141		04-006/00:42:39.0
14153	M1O	04-006/00:53:38.6		NOTE: Periapsis 9141 ----------		04-006/00:44:01.6
14154	M1O	04-006/00:55:31.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-006/00:45:54.1
14155	M1O	04-006/00:55:31.0		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-006/00:45:54.1
14156	M1O	04-006/01:00:00.0	43	Begin Pre-Cal		
14157	M1O	04-006/01:00:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
14158	M1O	04-006/01:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
14159	M1O	04-006/01:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
14160	M1O	04-006/01:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
14161	M1O	04-006/01:00:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
14162	M1O	04-006/01:00:00.0	43	Config: RCV: Parms:		
14163	M1O	04-006/01:00:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
14164	M1O	04-006/01:00:00.0	43	Config: TGC: BAND=X, SR=79632.000000		
14165	M1O	04-006/01:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
14166	M1O	04-006/01:07:07.9		SPAWN, Engine = 65535, Parameters = 006, 01, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-006/00:57:31.0
14167	M1O	04-006/01:07:09.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-006/00:57:32.1
14168	M1O	04-006/01:07:11.0		CALL, Engine = , Parameters = 56	get_cmd_opt	04-006/00:57:34.1
14169	M1O	04-006/01:07:11.3		CALL, Engine = , Parameters = 006, 01, 056	bld_autosw	04-006/00:57:34.4
14170	M1O	04-006/01:07:12.4		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-006/00:57:35.5
14171	M1O	04-006/01:07:13.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/00:57:36.6
14172	M1O	04-006/01:07:14.5		Deletes the designated file.: d:/dat/056_doy006_pass01_file01.dat	FILE_DELETE	04-006/00:57:37.6
14173	M1O	04-006/01:07:15.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/00:57:38.7
14174	M1O	04-006/01:07:16.6		Deletes the designated file.: d:/dat/056_doy006_pass01_file02.dat	FILE_DELETE	04-006/00:57:39.7
14175	M1O	04-006/01:07:17.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/00:57:40.8
14176	M1O	04-006/01:07:18.7		Deletes the designated file.: d:/dat/056_doy006_pass01_file03.dat	FILE_DELETE	04-006/00:57:41.8
14177	M1O	04-006/01:07:19.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/00:57:42.9
14178	M1O	04-006/01:07:20.8		Deletes the designated file.: d:/dat/056_doy006_pass01_file04.dat	FILE_DELETE	04-006/00:57:43.9
14179	M1O	04-006/01:07:21.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/00:57:45.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14180	M1O	04-006/01:07:22.9		Deletes the designated file.: d:/dat/056_doy006_pass01_file05.dat	FILE_DELETE	04-006/00:57:46.0
14181	M1O	04-006/01:07:24.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/00:57:47.1
14182	M1O	04-006/01:07:25.0		Deletes the designated file.: d:/dat/056_doy006_pass01_file06.dat	FILE_DELETE	04-006/00:57:48.1
14183	M1O	04-006/01:07:26.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/00:57:49.2
14184	M1O	04-006/01:07:27.1		Deletes the designated file.: d:/dat/056_doy006_pass01_file07.dat	FILE_DELETE	04-006/00:57:50.2
14185	M1O	04-006/01:07:28.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/00:57:51.3
14186	M1O	04-006/01:07:29.2		Deletes the designated file.: d:/dat/056_doy006_pass01_file08.dat	FILE_DELETE	04-006/00:57:52.3
14187	M1O	04-006/01:07:30.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/00:57:53.4
14188	M1O	04-006/01:07:31.3		Deletes the designated file.: d:/dat/056_doy006_pass01_file09.dat	FILE_DELETE	04-006/00:57:54.4
14189	M1O	04-006/01:07:32.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/00:57:55.5
14190	M1O	04-006/01:07:33.4		Deletes the designated file.: d:/dat/056_doy006_pass01_file10.dat	FILE_DELETE	04-006/00:57:56.5
14191	M1O	04-006/01:07:34.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/00:57:57.6
14192	M1O	04-006/01:07:35.5		Deletes the designated file.: d:/dat/056_doy006_pass01_file11.dat	FILE_DELETE	04-006/00:57:58.6
14193	M1O	04-006/01:07:36.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/00:57:59.7
14194	M1O	04-006/01:07:37.6		Deletes the designated file.: d:/dat/056_doy006_pass01_file12.dat	FILE_DELETE	04-006/00:58:00.7
14195	M1O	04-006/01:07:38.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/00:58:01.8
14196	M1O	04-006/01:07:39.7		Deletes the designated file.: d:/dat/056_doy006_pass01_file13.dat	FILE_DELETE	04-006/00:58:02.8
14197	M1O	04-006/01:07:40.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/00:58:03.9
14198	M1O	04-006/01:07:41.8		Deletes the designated file.: d:/dat/056_doy006_pass01_file14.dat	FILE_DELETE	04-006/00:58:04.9
14199	M1O	04-006/01:07:42.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/00:58:06.0
14200	M1O	04-006/01:07:43.9		Deletes the designated file.: d:/dat/056_doy006_pass01_file15.dat	FILE_DELETE	04-006/00:58:07.0
14201	M1O	04-006/01:07:45.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/00:58:08.1
14202	M1O	04-006/01:07:46.0		Deletes the designated file.: d:/dat/056_doy006_pass01_file16.dat	FILE_DELETE	04-006/00:58:09.1
14203	M1O	04-006/01:07:47.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/00:58:10.2
14204	M1O	04-006/01:07:48.1		Deletes the designated file.: d:/dat/056_doy006_pass01_file17.dat	FILE_DELETE	04-006/00:58:11.2
14205	M1O	04-006/01:07:49.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/00:58:12.3
14206	M1O	04-006/01:07:50.2		Deletes the designated file.: d:/dat/056_doy006_pass01_file18.dat	FILE_DELETE	04-006/00:58:13.3
14207	M1O	04-006/01:07:51.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/00:58:14.4
14208	M1O	04-006/01:07:52.3		Deletes the designated file.: d:/dat/056_doy006_pass01_file19.dat	FILE_DELETE	04-006/00:58:15.4
14209	M1O	04-006/01:07:53.3		CALL, Engine = , Parameters = 56	get_apid	04-006/00:58:16.4
14210	M1O	04-006/01:07:54.4		CALL, Engine = , Parameters = 56	get_rcv_mode	04-006/00:58:17.5
14211	M1O	04-006/01:07:54.6		CALL, Engine = , Parameters = 56	get_dl_rate	04-006/00:58:17.7
14212	M1O	04-006/01:07:55.7		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-006/00:58:18.8
14213	M1O	04-006/01:07:56.9		CALL, Engine = , Parameters = 56	get_coding	04-006/00:58:20.0
14214	M1O	04-006/01:07:58.1		CALL, Engine = , Parameters = 56	get_xmt_mode	04-006/00:58:21.2
14215	M1O	04-006/01:07:59.3		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-006/00:58:22.4
14216	M1O	04-006/01:09:04.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-006/00:59:27.2
14217	M1O	04-006/01:09:05.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-006/00:59:28.2
14218	M1O	04-006/01:09:06.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-006/00:59:29.2
14219	M1O	04-006/01:09:07.1		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-006/00:59:30.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14220	M1O	04-006/01:09:08.1		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-006/00:59:31.2
14221	M1O	04-006/01:09:09.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-006/00:59:32.2
14222	M1O	04-006/01:09:10.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/00:59:33.2
14223	M1O	04-006/01:10:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/01:00:23.2
14224	M1O	04-006/01:10:10.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-006/01:00:33.2
14225	M1O	04-006/01:12:11.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/01:02:34.2
14226	M1O	04-006/01:12:12.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/01:02:35.2
14227	M1O	04-006/01:14:11.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/01:04:34.2
14228	M1O	04-006/01:14:12.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/01:04:35.2
14229	M1O	04-006/01:16:11.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/01:06:34.2
14230	M1O	04-006/01:16:12.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/01:06:35.2
14231	M1O	04-006/01:18:11.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/01:08:34.2
14232	M1O	04-006/01:18:12.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/01:08:35.2
14233	M1O	04-006/01:20:11.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/01:10:34.2
14234	M1O	04-006/01:20:12.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/01:10:35.2
14235	M1O	04-006/01:20:23.8		NOTE: Enter Solar Eclipse 9141		04-006/01:10:46.8
14236	M1O	04-006/01:21:32.6		NOTE: Ascending Node Crossing 9141		04-006/01:11:55.6
14237	M1O	04-006/01:22:11.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/01:12:34.2
14238	M1O	04-006/01:22:12.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/01:12:35.2
14239	M1O	04-006/01:24:11.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/01:14:34.2
14240	M1O	04-006/01:24:12.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/01:14:35.2
14241	M1O	04-006/01:25:31.0		GV: GV_DESAT_ACTIVE = 1		04-006/01:15:54.0
14242	M1O	04-006/01:25:32.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-006/01:15:55.0
14243	M1O	04-006/01:25:32.0		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-006/01:15:55.0
14244	M1O	04-006/01:26:11.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/01:16:34.2
14245	M1O	04-006/01:26:12.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/01:16:35.2
14246	M1O	04-006/01:28:11.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/01:18:34.2
14247	M1O	04-006/01:28:12.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/01:18:35.2
14248	M1O	04-006/01:30:11.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/01:20:34.2
14249	M1O	04-006/01:30:12.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	04-006/01:20:35.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				BYPASS_COD, PSK		
14250	M1O	04-006/01:32:11.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/01:22:34.2
14251	M1O	04-006/01:32:12.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/01:22:35.2
14252	M1O	04-006/01:34:11.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/01:24:34.2
14253	M1O	04-006/01:34:12.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/01:24:35.2
14254	M1O	04-006/01:35:31.0		GV: GV_DESAT_ACTIVE = 0		04-006/01:25:54.0
14255	M1O	04-006/01:35:32.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-006/01:25:55.0
14256	M1O	04-006/01:35:33.0		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-006/01:25:56.0
14257	M1O	04-006/01:35:34.0		CALL, Engine = , Parameters =	unpark_hga	04-006/01:25:57.0
14258	M1O	04-006/01:35:34.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-006/01:25:57.0
14259	M1O	04-006/01:35:35.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-006/01:25:58.0
14260	M1O	04-006/01:36:11.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/01:26:34.2
14261	M1O	04-006/01:36:12.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/01:26:35.2
14262	M1O	04-006/01:38:11.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/01:28:34.2
14263	M1O	04-006/01:38:12.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/01:28:35.2
14264	M1O	04-006/01:40:05.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-006/01:30:28.0
14265	M1O	04-006/01:40:06.0		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-006/01:30:29.0
14266	M1O	04-006/01:40:11.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/01:30:34.2
14267	M1O	04-006/01:40:12.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/01:30:35.2
14268	M1O	04-006/01:41:07.3		NOTE: Exit Solar Eclipse 9141		04-006/01:31:30.3
14269	M1O	04-006/01:41:08.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/01:31:31.2
14270	M1O	04-006/01:41:09.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-006/01:31:32.3
14271	M1O	04-006/01:41:19.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-006/01:31:42.3
14272	M1O	04-006/01:41:20.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-006/01:31:43.3
14273	M1O	04-006/01:41:21.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-006/01:31:44.3
14274	M1O	04-006/01:41:22.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-006/01:31:45.3
14275	M1O	04-006/01:42:35.0		NOTE: ENTER HGA KEEP OUT ZONE		
14276	M1O	04-006/01:44:06.0		NOTE: EXIT HGA PARK		
14277	M1O	04-006/01:49:34.4		NOTE: Enter Planetary Atmosphere 9141		04-006/01:39:57.3
14278	M1O	04-006/01:49:58.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14279	M1O	04-006/01:51:14.3		NOTE: Enter Earth Occultation 9141		04-006/01:41:37.2
14280	M1O	04-006/01:51:28.0		NOTE: North Pole Crossing 9141		04-006/01:41:50.9
14281	M1O	04-006/01:53:27.1		NOTE: Apoapsis 9141 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14286	M1O	04-006/02:00:00.0	34	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
14287	M1O	04-006/02:00:00.0	34	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
14288	M1O	04-006/02:00:00.0	34	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
14289	M1O	04-006/02:00:00.0	34	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
14290	M1O	04-006/02:00:00.0	34	Config: RCV: Parms:		
14291	M1O	04-006/02:00:00.0	34	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
14292	M1O	04-006/02:00:00.0	34	Config: TGC: BAND=X, SR=221200.000000		
14293	M1O	04-006/02:00:00.0	34	Config: TXL		
14294	M1O	04-006/02:00:00.0	34	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
14295	M1O	04-006/02:00:00.0	34	Config: CMD		
14296	M1O	04-006/02:00:55.1		NOTE: EXIT HGA KEEP OUT ZONE		
14297	M1O	04-006/02:08:15.4		SPAWN, Engine = 65535, Parameters = 00:05:31.335	cstr	04-006/01:58:38.3
14298	M1O	04-006/02:08:15.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/01:58:38.4
14299	M1O	04-006/02:08:16.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-006/01:58:39.4
14300	M1O	04-006/02:08:17.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-006/01:58:40.4
14301	M1O	04-006/02:08:18.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-006/01:58:41.4
14302	M1O	04-006/02:08:19.5		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-006/01:58:42.4
14303	M1O	04-006/02:08:29.5		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-006/01:58:52.4
14304	M1O	04-006/02:08:39.5		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-006/01:59:02.4
14305	M1O	04-006/02:08:40.4		NOTE: Exit Earth Occultation 9141		04-006/01:59:03.3
14306	M1O	04-006/02:08:40.4	26	Acquisition Of X-Band Signal		
14307	M1O	04-006/02:08:40.4	26	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14308	M1O	04-006/02:09:12.1	26	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14309	M1O	04-006/02:10:21.3		NOTE: Exit Planetary Atmosphere 9141		04-006/02:00:44.1
14310	M1O	04-006/02:14:10.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-006/02:04:33.7
14311	M1O	04-006/02:14:11.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-006/02:04:34.7
14312	M1O	04-006/02:14:11.9	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14313	M1O	04-006/02:14:12.9		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-006/02:04:35.7
14314	M1O	04-006/02:21:27.1		NOTE: Descending Node Crossing 9142		04-006/02:11:49.9
14315	M1O	04-006/02:50:00.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
14316	M1O	04-006/02:50:45.3	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
14317	M1O	04-006/02:50:46.5		NOTE: South Pole Crossing 9142		04-006/02:41:09.3
14318	M1O	04-006/02:52:01.2		NOTE: Periapsis 9142 ----------		04-006/02:42:23.9
14319	M1O	04-006/02:58:58.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-006/02:49:21.2
14320	M1O	04-006/02:59:00.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/02:49:23.3
14321	M1O	04-006/02:59:00.6	26	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14322	M1O	04-006/02:59:01.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-006/02:49:24.3
14323	M1O	04-006/03:00:00.0	43	Begin Tracking		
14324	M1O	04-006/03:00:00.0	43	Acquire D/L: X/08, 3-Way/26, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14325	M1O	04-006/03:00:00.0	26	Range Modulation Off		
14326	M1O	04-006/03:00:00.5		NOTE: Changing to 70M downlink rate: 110600_BPS		04-006/02:50:23.2
14327	M1O	04-006/03:00:00.5		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	04-006/02:50:23.2
14328	M1O	04-006/03:00:00.5	43	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14329	M1O	04-006/03:00:00.5	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14330	M1O	04-006/03:05:00.0	26	X-Band Transmitter Off		
14331	M1O	04-006/03:05:00.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-006/02:55:23.3
14332	M1O	04-006/03:05:00.6	43	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14333	M1O	04-006/03:05:00.6	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14334	M1O	04-006/03:05:01.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-006/02:55:24.3
14335	M1O	04-006/03:10:00.0	26	End Tracking		
14336	M1O	04-006/03:15:00.0	34	Begin Tracking		
14337	M1O	04-006/03:15:00.0	34	Acquire D/L: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14338	M1O	04-006/03:18:54.0		NOTE: Enter Solar Eclipse 9142		04-006/03:09:16.7
14339	M1O	04-006/03:20:02.7		NOTE: Ascending Node Crossing 9142		04-006/03:10:25.3
14340	M1O	04-006/03:23:12.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-006/03:13:34.6
14341	M1O	04-006/03:23:14.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/03:13:36.7
14342	M1O	04-006/03:23:14.1	34	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14343	M1O	04-006/03:23:14.1	43	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14344	M1O	04-006/03:23:15.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-006/03:13:37.7
14345	M1O	04-006/03:24:14.6	34	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14346	M1O	04-006/03:24:14.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14347	M1O	04-006/03:25:00.0	26	End Post-Cal		
14348	M1O	04-006/03:29:14.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-006/03:19:36.7
14349	M1O	04-006/03:29:14.1	34	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14350	M1O	04-006/03:29:14.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14351	M1O	04-006/03:29:15.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-006/03:19:37.7
14352	M1O	04-006/03:39:34.9		NOTE: Exit Solar Eclipse 9142		04-006/03:29:57.4
14353	M1O	04-006/03:40:05.4		SPAWN, Engine = 65535, Parameters = 3, 00:32:33.659, 1	dpt	04-006/03:30:28.0
14354	M1O	04-006/03:40:07.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/03:30:30.1
14355	M1O	04-006/03:40:07.5	34	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14356	M1O	04-006/03:40:07.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14357	M1O	04-006/03:40:08.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-006/03:30:31.1
14358	M1O	04-006/03:41:07.4		NOTE: ENTER HGA KEEP OUT ZONE		
14359	M1O	04-006/03:41:07.4	34	NOTE: Loss Of X-Band Signal		
14360	M1O	04-006/03:41:07.4	43	NOTE: Loss Of X-Band Signal		
14361	M1O	04-006/03:48:08.5		NOTE: Enter Planetary Atmosphere 9142		04-006/03:38:31.0
14362	M1O	04-006/03:48:27.0	34	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14363	M1O	04-006/03:49:48.8		NOTE: Enter Earth Occultation 9142		04-006/03:40:11.3
14364	M1O	04-006/03:49:59.1		NOTE: North Pole Crossing 9142		04-006/03:40:21.6
14365	M1O	04-006/03:51:42.9		NOTE: Apoapsis 9142 -		04-006/03:42:05.5
14366	M1O	04-006/03:59:27.4		NOTE: EXIT HGA KEEP OUT ZONE		
14367	M1O	04-006/04:07:09.2		NOTE: Exit Earth Occultation 9142		04-006/03:57:31.7
14368	M1O	04-006/04:07:09.2	34	Acquisition Of X-Band Signal		
14369	M1O	04-006/04:07:09.2	34	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
14370	M1O	04-006/04:07:09.2	43	Acquisition Of X-Band Signal		
14371	M1O	04-006/04:07:09.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14372	M1O	04-006/04:07:41.9	34	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14373	M1O	04-006/04:07:41.9	43	Acquire D/L: X/08, 3-Way/34, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14374	M1O	04-006/04:08:50.6		NOTE: Exit Planetary Atmosphere 9142		04-006/03:59:13.1
14375	M1O	04-006/04:12:41.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-006/04:03:03.7
14376	M1O	04-006/04:12:41.2	34	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14377	M1O	04-006/04:12:41.2	43	D/L Change: X/08, 3-Way/34, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14378	M1O	04-006/04:12:42.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-006/04:03:04.7
14379	M1O	04-006/04:19:58.8		NOTE: Descending Node Crossing 9143		04-006/04:10:21.3
14380	M1O	04-006/04:49:18.2		NOTE: South Pole Crossing 9143		04-006/04:39:40.5
14381	M1O	04-006/04:50:11.2		NOTE: Periapsis 9143 ----------		04-006/04:40:33.6
14382	M1O	04-006/04:55:00.0	34	NOTE: X-Band Transmitter Off in 15 minutes		
14383	M1O	04-006/04:55:44.6	34	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
14384	M1O	04-006/05:10:00.0	34	X-Band Transmitter Off		
14385	M1O	04-006/05:15:00.0	34	End Tracking		
14386	M1O	04-006/05:15:00.0	34	End Post-Cal		
14387	M1O	04-006/05:17:28.6		NOTE: Enter Solar Eclipse 9143		04-006/05:07:50.8
14388	M1O	04-006/05:18:35.0		NOTE: Ascending Node Crossing 9143		04-006/05:08:57.3
14389	M1O	04-006/05:28:12.4		SPAWN, Engine = 65535, Parameters = 3, 00:42:22.331, 1	dpt	04-006/05:18:34.6
14390	M1O	04-006/05:28:14.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/05:18:36.7
14391	M1O	04-006/05:28:14.5	43	D/L Change: X/08, 3-Way/34, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14392	M1O	04-006/05:28:15.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-006/05:18:37.7
14393	M1O	04-006/05:29:15.4	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14394	M1O	04-006/05:38:02.1		NOTE: Exit Solar Eclipse 9143		04-006/05:28:24.3
14395	M1O	04-006/05:39:38.8		NOTE: ENTER HGA KEEP OUT ZONE		
14396	M1O	04-006/05:39:38.8	43	NOTE: Loss Of X-Band Signal		
14397	M1O	04-006/05:46:48.0		NOTE: Enter Planetary Atmosphere 9143		04-006/05:37:10.2
14398	M1O	04-006/05:48:29.3		NOTE: Enter Earth Occultation 9143		04-006/05:38:51.5
14399	M1O	04-006/05:48:32.5		NOTE: North Pole Crossing 9143		04-006/05:38:54.7
14400	M1O	04-006/05:49:58.1		NOTE: Apoapsis 9143 -		04-006/05:40:20.2
14401	M1O	04-006/05:57:58.8		NOTE: EXIT HGA KEEP OUT ZONE		
14402	M1O	04-006/06:05:37.9		NOTE: Exit Earth Occultation 9143		04-006/05:56:00.1
14403	M1O	04-006/06:05:37.9	43	Acquisition Of X-Band Signal		
14404	M1O	04-006/06:05:37.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14405	M1O	04-006/06:07:20.4		NOTE: Exit Planetary Atmosphere 9143		04-006/05:57:42.5
14406	M1O	04-006/06:10:36.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-006/06:00:59.0
14407	M1O	04-006/06:10:36.9	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14408	M1O	04-006/06:10:37.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-006/06:01:00.0
14409	M1O	04-006/06:12:19.9		SPAWN, Engine = 65535, Parameters = 006, 01, FALSE, 00:13:50.549, 254, FALSE, 32_KPS,	uhf	04-006/06:02:42.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				00:02:00, 00:00:00		
14410	M1O	04-006/06:12:21.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-006/06:02:43.1
14411	M1O	04-006/06:12:23.0		CALL, Engine = , Parameters = 254	get_cmd_opt	04-006/06:02:45.1
14412	M1O	04-006/06:13:05.2		CALL, Engine = , Parameters = 254	get_apid	04-006/06:03:27.3
14413	M1O	04-006/06:13:06.3		CALL, Engine = , Parameters = 254	get_rcv_mode	04-006/06:03:28.4
14414	M1O	04-006/06:13:06.5		CALL, Engine = , Parameters = 254	get_dl_rate	04-006/06:03:28.6
14415	M1O	04-006/06:13:07.6		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-006/06:03:29.7
14416	M1O	04-006/06:13:08.9		CALL, Engine = , Parameters = 254	get_coding	04-006/06:03:31.0
14417	M1O	04-006/06:13:10.1		CALL, Engine = , Parameters = 254	get_xmt_mode	04-006/06:03:32.2
14418	M1O	04-006/06:13:11.3		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-006/06:03:33.4
14419	M1O	04-006/06:14:16.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-006/06:04:38.2
14420	M1O	04-006/06:14:17.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-006/06:04:39.2
14421	M1O	04-006/06:14:18.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-006/06:04:40.2
14422	M1O	04-006/06:14:19.1		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-006/06:04:41.2
14423	M1O	04-006/06:14:20.1		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-006/06:04:42.2
14424	M1O	04-006/06:14:21.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-006/06:04:43.2
14425	M1O	04-006/06:14:22.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/06:04:44.2
14426	M1O	04-006/06:18:32.9		NOTE: Descending Node Crossing 9144		04-006/06:08:55.0
14427	M1O	04-006/06:28:08.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/06:18:30.7
14428	M1O	04-006/06:28:09.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-006/06:18:31.8
14429	M1O	04-006/06:28:19.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-006/06:18:41.8
14430	M1O	04-006/06:28:20.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-006/06:18:42.8
14431	M1O	04-006/06:47:53.7		NOTE: South Pole Crossing 9144		04-006/06:38:15.6
14432	M1O	04-006/06:48:57.3		NOTE: Periapsis 9144 ----------		04-006/06:39:19.3
14433	M1O	04-006/07:09:38.0		SPAWN, Engine = 65535, Parameters =	scdiag	04-006/07:00:00.0
14434	M1O	04-006/07:09:39.1		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-006/07:00:01.1
14435	M1O	04-006/07:09:40.1		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-006/07:00:02.1
14436	M1O	04-006/07:10:41.0		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-006/07:01:03.0
14437	M1O	04-006/07:10:41.2		NOTE: Start Block fsw_diag		04-006/07:01:03.2
14438	M1O	04-006/07:10:42.2		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-006/07:01:04.2
14439	M1O	04-006/07:10:43.2		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	04-006/07:01:05.2
14440	M1O	04-006/07:10:54.2		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	04-006/07:01:16.2
14441	M1O	04-006/07:11:24.2		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-006/07:01:46.2
14442	M1O	04-006/07:11:44.2		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-006/07:02:06.2
14443	M1O	04-006/07:11:54.2		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-006/07:02:16.2
14444	M1O	04-006/07:12:14.2		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-006/07:02:36.2
14445	M1O	04-006/07:12:24.2		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-006/07:02:46.2
14446	M1O	04-006/07:12:29.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-006/07:02:51.2
14447	M1O	04-006/07:12:34.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-006/07:02:56.2
14448	M1O	04-006/07:12:39.2		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-006/07:03:01.2
14449	M1O	04-006/07:12:44.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-006/07:03:06.2
14450	M1O	04-006/07:12:49.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-006/07:03:11.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14451	M1O	04-006/07:13:29.2		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-006/07:03:51.2
14452	M1O	04-006/07:13:34.2		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-006/07:03:56.2
14453	M1O	04-006/07:13:39.2		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-006/07:04:01.2
14454	M1O	04-006/07:13:44.2		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-006/07:04:06.2
14455	M1O	04-006/07:13:49.2		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-006/07:04:11.2
14456	M1O	04-006/07:13:50.2		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-006/07:04:12.2
14457	M1O	04-006/07:13:51.2		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-006/07:04:13.2
14458	M1O	04-006/07:13:52.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-006/07:04:14.2
14459	M1O	04-006/07:14:03.2		NOTE: End Block fsw_diag.mod		04-006/07:04:25.2
14460	M1O	04-006/07:16:05.6		NOTE: Enter Solar Eclipse 9144		04-006/07:06:27.5
14461	M1O	04-006/07:17:11.5		NOTE: Ascending Node Crossing 9144		04-006/07:07:33.4
14462	M1O	04-006/07:36:36.1		NOTE: Exit Solar Eclipse 9144		04-006/07:26:58.0
14463	M1O	04-006/07:37:11.1		SPAWN, Engine = 65535, Parameters = 3, 00:32:28.777, 1	dpt	04-006/07:27:33.0
14464	M1O	04-006/07:37:13.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/07:27:35.1
14465	M1O	04-006/07:37:13.2	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14466	M1O	04-006/07:37:14.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-006/07:27:36.1
14467	M1O	04-006/07:38:13.1		NOTE: ENTER HGA KEEP OUT ZONE		
14468	M1O	04-006/07:38:13.1	43	NOTE: Loss Of X-Band Signal		
14469	M1O	04-006/07:45:26.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14470	M1O	04-006/07:45:26.2		NOTE: Enter Planetary Atmosphere 9144		04-006/07:35:48.0
14471	M1O	04-006/07:47:08.0		NOTE: Enter Earth Occultation 9144		04-006/07:37:29.8
14472	M1O	04-006/07:47:08.6		NOTE: North Pole Crossing 9144		04-006/07:37:30.4
14473	M1O	04-006/07:48:55.0		NOTE: Apoapsis 9144 -		04-006/07:39:16.8
14474	M1O	04-006/07:50:26.0	43	Range Modulation On: SUP=3.0dB		
14475	M1O	04-006/07:51:26.0	43	Begin Ranging Acquisition		
14476	M1O	04-006/07:56:13.2		NOTE: EXIT HGA KEEP OUT ZONE		
14477	M1O	04-006/08:04:10.7		NOTE: Exit Earth Occultation 9144		04-006/07:54:32.5
14478	M1O	04-006/08:04:10.7	43	Acquisition Of X-Band Signal		
14479	M1O	04-006/08:04:10.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14480	M1O	04-006/08:04:42.3	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14481	M1O	04-006/08:05:53.6		NOTE: Exit Planetary Atmosphere 9144		04-006/07:56:15.3
14482	M1O	04-006/08:07:03.2		SPAWN, Engine = 65535, Parameters = 006, 02, TRUE, 00:18:42, 254, FALSE, 32_KPS, 00:05:00, 00:00:00	uhf	04-006/07:57:25.0
14483	M1O	04-006/08:07:04.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-006/07:57:26.1
14484	M1O	04-006/08:07:06.3		CALL, Engine = , Parameters = 254	get_cmd_opt	04-006/07:57:28.1
14485	M1O	04-006/08:07:06.6		CALL, Engine = , Parameters = 006, 02, 254	bld_autosw	04-006/07:57:28.4
14486	M1O	04-006/08:07:07.7		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-006/07:57:29.5
14487	M1O	04-006/08:07:08.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/07:57:30.6
14488	M1O	04-006/08:07:09.8		Deletes the designated file.: d:/dat/254_doy006_pass02_file01.dat	FILE_DELETE	04-006/07:57:31.6
14489	M1O	04-006/08:07:10.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/07:57:32.7
14490	M1O	04-006/08:07:11.9		Deletes the designated file.: d:/dat/254_doy006_pass02_file02.dat	FILE_DELETE	04-006/07:57:33.7
14491	M1O	04-006/08:07:13.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/07:57:34.8
14492	M1O	04-006/08:07:14.0		Deletes the designated file.: d:/dat/254_doy006_pass02_file03.dat	FILE_DELETE	04-006/07:57:35.8
14493	M1O	04-006/08:07:15.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/07:57:36.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14494	M1O	04-006/08:07:16.1		Deletes the designated file.: d:/dat/254_doy006_pass02_file04.dat	FILE_DELETE	04-006/07:57:37.9
14495	M1O	04-006/08:07:17.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/07:57:39.0
14496	M1O	04-006/08:07:18.2		Deletes the designated file.: d:/dat/254_doy006_pass02_file05.dat	FILE_DELETE	04-006/07:57:40.0
14497	M1O	04-006/08:07:19.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/07:57:41.1
14498	M1O	04-006/08:07:20.3		Deletes the designated file.: d:/dat/254_doy006_pass02_file06.dat	FILE_DELETE	04-006/07:57:42.1
14499	M1O	04-006/08:07:21.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/07:57:43.2
14500	M1O	04-006/08:07:22.4		Deletes the designated file.: d:/dat/254_doy006_pass02_file07.dat	FILE_DELETE	04-006/07:57:44.2
14501	M1O	04-006/08:07:23.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/07:57:45.3
14502	M1O	04-006/08:07:24.5		Deletes the designated file.: d:/dat/254_doy006_pass02_file08.dat	FILE_DELETE	04-006/07:57:46.3
14503	M1O	04-006/08:07:25.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/07:57:47.4
14504	M1O	04-006/08:07:26.6		Deletes the designated file.: d:/dat/254_doy006_pass02_file09.dat	FILE_DELETE	04-006/07:57:48.4
14505	M1O	04-006/08:07:27.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/07:57:49.5
14506	M1O	04-006/08:07:28.7		Deletes the designated file.: d:/dat/254_doy006_pass02_file10.dat	FILE_DELETE	04-006/07:57:50.5
14507	M1O	04-006/08:07:29.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/07:57:51.6
14508	M1O	04-006/08:07:30.8		Deletes the designated file.: d:/dat/254_doy006_pass02_file11.dat	FILE_DELETE	04-006/07:57:52.6
14509	M1O	04-006/08:07:31.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/07:57:53.7
14510	M1O	04-006/08:07:32.9		Deletes the designated file.: d:/dat/254_doy006_pass02_file12.dat	FILE_DELETE	04-006/07:57:54.7
14511	M1O	04-006/08:07:34.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/07:57:55.8
14512	M1O	04-006/08:07:35.0		Deletes the designated file.: d:/dat/254_doy006_pass02_file13.dat	FILE_DELETE	04-006/07:57:56.8
14513	M1O	04-006/08:07:36.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/07:57:57.9
14514	M1O	04-006/08:07:37.1		Deletes the designated file.: d:/dat/254_doy006_pass02_file14.dat	FILE_DELETE	04-006/07:57:58.9
14515	M1O	04-006/08:07:38.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/07:58:00.0
14516	M1O	04-006/08:07:39.2		Deletes the designated file.: d:/dat/254_doy006_pass02_file15.dat	FILE_DELETE	04-006/07:58:01.0
14517	M1O	04-006/08:07:40.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/07:58:02.1
14518	M1O	04-006/08:07:41.3		Deletes the designated file.: d:/dat/254_doy006_pass02_file16.dat	FILE_DELETE	04-006/07:58:03.1
14519	M1O	04-006/08:07:42.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/07:58:04.2
14520	M1O	04-006/08:07:43.4		Deletes the designated file.: d:/dat/254_doy006_pass02_file17.dat	FILE_DELETE	04-006/07:58:05.2
14521	M1O	04-006/08:07:44.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/07:58:06.3
14522	M1O	04-006/08:07:45.5		Deletes the designated file.: d:/dat/254_doy006_pass02_file18.dat	FILE_DELETE	04-006/07:58:07.3
14523	M1O	04-006/08:07:46.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/07:58:08.4
14524	M1O	04-006/08:07:47.6		Deletes the designated file.: d:/dat/254_doy006_pass02_file19.dat	FILE_DELETE	04-006/07:58:09.4
14525	M1O	04-006/08:07:48.6		CALL, Engine = , Parameters = 254	get_apid	04-006/07:58:10.4
14526	M1O	04-006/08:07:49.7		CALL, Engine = , Parameters = 254	get_rcv_mode	04-006/07:58:11.5
14527	M1O	04-006/08:07:49.9		CALL, Engine = , Parameters = 254	get_dl_rate	04-006/07:58:11.7
14528	M1O	04-006/08:07:51.0		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-006/07:58:12.8
14529	M1O	04-006/08:07:52.3		CALL, Engine = , Parameters = 254	get_coding	04-006/07:58:14.1
14530	M1O	04-006/08:07:53.5		CALL, Engine = , Parameters = 254	get_xmt_mode	04-006/07:58:15.3
14531	M1O	04-006/08:07:54.7		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-006/07:58:16.5
14532	M1O	04-006/08:08:59.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-006/07:59:21.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14533	M1O	04-006/08:09:00.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-006/07:59:22.3
14534	M1O	04-006/08:09:01.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-006/07:59:23.3
14535	M1O	04-006/08:09:02.5		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-006/07:59:24.3
14536	M1O	04-006/08:09:03.5		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-006/07:59:25.3
14537	M1O	04-006/08:09:04.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-006/07:59:26.3
14538	M1O	04-006/08:09:05.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/07:59:27.3
14539	M1O	04-006/08:09:42.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-006/08:00:03.8
14540	M1O	04-006/08:09:42.1	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14541	M1O	04-006/08:09:43.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/08:00:04.8
14542	M1O	04-006/08:09:43.0	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14543	M1O	04-006/08:09:43.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-006/08:00:04.8
14544	M1O	04-006/08:13:55.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/08:04:17.3
14545	M1O	04-006/08:14:05.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-006/08:04:27.3
14546	M1O	04-006/08:17:09.0		NOTE: Descending Node Crossing 9145		04-006/08:07:30.8
14547	M1O	04-006/08:27:45.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/08:18:07.3
14548	M1O	04-006/08:27:46.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-006/08:18:08.4
14549	M1O	04-006/08:27:56.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-006/08:18:18.4
14550	M1O	04-006/08:27:57.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-006/08:18:19.4
14551	M1O	04-006/08:27:58.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-006/08:18:20.4
14552	M1O	04-006/08:27:58.7	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14553	M1O	04-006/08:27:59.7		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-006/08:18:21.4
14554	M1O	04-006/08:32:58.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-006/08:23:20.0
14555	M1O	04-006/08:32:58.3	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14556	M1O	04-006/08:46:30.6		NOTE: South Pole Crossing 9145		04-006/08:36:52.3
14557	M1O	04-006/08:48:00.3		NOTE: Periapsis 9145 ----------		04-006/08:38:21.9
14558	M1O	04-006/09:02:51.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
14559	M1O	04-006/09:12:51.0	43	Range Modulation Off		
14560	M1O	04-006/09:14:41.0		NOTE: Enter Solar Eclipse 9145		04-006/09:05:02.5
14561	M1O	04-006/09:15:48.5		NOTE: Ascending Node Crossing 9145		04-006/09:06:10.0
14562	M1O	04-006/09:17:51.0	43	X-Band Transmitter Off		
14563	M1O	04-006/09:35:13.0		NOTE: Exit Solar Eclipse 9145		04-006/09:25:34.4
14564	M1O	04-006/09:36:05.3		SPAWN, Engine = 65535, Parameters = 3, 00:32:10, 1	dpt	04-006/09:26:26.7
14565	M1O	04-006/09:36:07.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/09:26:28.8
14566	M1O	04-006/09:36:07.4	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14567	M1O	04-006/09:36:08.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-006/09:26:29.8
14568	M1O	04-006/09:37:07.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14569	M1O	04-006/09:37:08.5		NOTE: ENTER HGA KEEP OUT ZONE		
14570	M1O	04-006/09:37:08.5	43	NOTE: Loss Of X-Band Signal		
14571	M1O	04-006/09:44:01.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14572	M1O	04-006/09:44:02.3		NOTE: Enter Planetary Atmosphere 9145		04-006/09:34:23.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14573	M1O	04-006/09:45:44.3		NOTE: Enter Earth Occultation 9145		04-006/09:36:05.8
14574	M1O	04-006/09:45:45.1		NOTE: North Pole Crossing 9145		04-006/09:36:06.6
14575	M1O	04-006/09:48:01.5		NOTE: Apoapsis 9145 -		04-006/09:38:22.9
14576	M1O	04-006/09:49:01.0	43	Range Modulation On: SUP=3.0dB		
14577	M1O	04-006/09:50:01.0	43	Begin Ranging Acquisition		
14578	M1O	04-006/09:54:48.5		NOTE: EXIT HGA KEEP OUT ZONE		
14579	M1O	04-006/10:02:45.7		NOTE: Exit Earth Occultation 9145		04-006/09:53:07.0
14580	M1O	04-006/10:02:45.7	43	Acquisition Of X-Band Signal		
14581	M1O	04-006/10:02:45.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14582	M1O	04-006/10:03:18.1	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14583	M1O	04-006/10:04:28.6		NOTE: Exit Planetary Atmosphere 9145		04-006/09:54:50.0
14584	M1O	04-006/10:08:17.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-006/09:58:38.8
14585	M1O	04-006/10:08:17.5	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14586	M1O	04-006/10:08:18.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-006/09:58:39.8
14587	M1O	04-006/10:15:45.8		NOTE: Descending Node Crossing 9146		04-006/10:06:07.1
14588	M1O	04-006/10:45:07.0		NOTE: South Pole Crossing 9146		04-006/10:35:28.2
14589	M1O	04-006/10:46:51.3		NOTE: Periapsis 9146 ----------		04-006/10:37:12.5
14590	M1O	04-006/11:01:28.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
14591	M1O	04-006/11:11:28.0	43	Range Modulation Off		
14592	M1O	04-006/11:13:14.2		NOTE: Enter Solar Eclipse 9146		04-006/11:03:35.4
14593	M1O	04-006/11:14:23.9		NOTE: Ascending Node Crossing 9146		04-006/11:04:45.0
14594	M1O	04-006/11:16:28.0	43	X-Band Transmitter Off		
14595	M1O	04-006/11:33:49.7		NOTE: Exit Solar Eclipse 9146		04-006/11:24:10.8
14596	M1O	04-006/11:34:42.6		SPAWN, Engine = 65535, Parameters = 3, 00:32:07.882, 1	dpt	04-006/11:25:03.7
14597	M1O	04-006/11:34:44.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/11:25:05.8
14598	M1O	04-006/11:34:44.7	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14599	M1O	04-006/11:34:45.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-006/11:25:06.8
14600	M1O	04-006/11:35:45.6	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14601	M1O	04-006/11:35:45.9		NOTE: ENTER HGA KEEP OUT ZONE		
14602	M1O	04-006/11:35:45.9	43	NOTE: Loss Of X-Band Signal		
14603	M1O	04-006/11:42:35.3		NOTE: Enter Planetary Atmosphere 9146		04-006/11:32:56.4
14604	M1O	04-006/11:42:37.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14605	M1O	04-006/11:44:17.0		NOTE: Enter Earth Occultation 9146		04-006/11:34:38.0
14606	M1O	04-006/11:44:20.4		NOTE: North Pole Crossing 9146		04-006/11:34:41.5
14607	M1O	04-006/11:46:39.5		NOTE: Apoapsis 9146 -		04-006/11:37:00.5
14608	M1O	04-006/11:47:37.0	43	Range Modulation On: SUP=3.0dB		
14609	M1O	04-006/11:48:37.0	43	Begin Ranging Acquisition		
14610	M1O	04-006/11:53:25.9		NOTE: EXIT HGA KEEP OUT ZONE		
14611	M1O	04-006/12:01:22.4		NOTE: Exit Earth Occultation 9146		04-006/11:51:43.5
14612	M1O	04-006/12:01:22.4	43	Acquisition Of X-Band Signal		
14613	M1O	04-006/12:01:22.4	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14614	M1O	04-006/12:01:54.8	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14615	M1O	04-006/12:02:08.9		SPAWN, Engine = 65535, Parameters = 006, 02, TRUE, 00:13:33.970, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-006/11:52:30.0
14616	M1O	04-006/12:02:10.0		Passes the specified amount of data, data size parameter, through the PACI interface.:	GRS_PASS_THROUGH	04-006/11:52:31.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000		
14617	M1O	04-006/12:02:12.0		CALL, Engine = , Parameters = 56	get_cmd_opt	04-006/11:52:33.1
14618	M1O	04-006/12:02:12.3		CALL, Engine = , Parameters = 006, 02, 056	bld_autosw	04-006/11:52:33.4
14619	M1O	04-006/12:02:13.4		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-006/11:52:34.5
14620	M1O	04-006/12:02:14.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/11:52:35.6
14621	M1O	04-006/12:02:15.5		Deletes the designated file.: d:/dat/056_doy006_pass02_file01.dat	FILE_DELETE	04-006/11:52:36.6
14622	M1O	04-006/12:02:16.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/11:52:37.7
14623	M1O	04-006/12:02:17.6		Deletes the designated file.: d:/dat/056_doy006_pass02_file02.dat	FILE_DELETE	04-006/11:52:38.7
14624	M1O	04-006/12:02:18.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/11:52:39.8
14625	M1O	04-006/12:02:19.7		Deletes the designated file.: d:/dat/056_doy006_pass02_file03.dat	FILE_DELETE	04-006/11:52:40.8
14626	M1O	04-006/12:02:20.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/11:52:41.9
14627	M1O	04-006/12:02:21.8		Deletes the designated file.: d:/dat/056_doy006_pass02_file04.dat	FILE_DELETE	04-006/11:52:42.9
14628	M1O	04-006/12:02:22.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/11:52:44.0
14629	M1O	04-006/12:02:23.9		Deletes the designated file.: d:/dat/056_doy006_pass02_file05.dat	FILE_DELETE	04-006/11:52:45.0
14630	M1O	04-006/12:02:25.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/11:52:46.1
14631	M1O	04-006/12:02:26.0		Deletes the designated file.: d:/dat/056_doy006_pass02_file06.dat	FILE_DELETE	04-006/11:52:47.1
14632	M1O	04-006/12:02:27.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/11:52:48.2
14633	M1O	04-006/12:02:28.1		Deletes the designated file.: d:/dat/056_doy006_pass02_file07.dat	FILE_DELETE	04-006/11:52:49.2
14634	M1O	04-006/12:02:29.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/11:52:50.3
14635	M1O	04-006/12:02:30.2		Deletes the designated file.: d:/dat/056_doy006_pass02_file08.dat	FILE_DELETE	04-006/11:52:51.3
14636	M1O	04-006/12:02:31.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/11:52:52.4
14637	M1O	04-006/12:02:32.3		Deletes the designated file.: d:/dat/056_doy006_pass02_file09.dat	FILE_DELETE	04-006/11:52:53.4
14638	M1O	04-006/12:02:33.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/11:52:54.5
14639	M1O	04-006/12:02:34.4		Deletes the designated file.: d:/dat/056_doy006_pass02_file10.dat	FILE_DELETE	04-006/11:52:55.5
14640	M1O	04-006/12:02:35.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/11:52:56.6
14641	M1O	04-006/12:02:36.5		Deletes the designated file.: d:/dat/056_doy006_pass02_file11.dat	FILE_DELETE	04-006/11:52:57.6
14642	M1O	04-006/12:02:37.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/11:52:58.7
14643	M1O	04-006/12:02:38.6		Deletes the designated file.: d:/dat/056_doy006_pass02_file12.dat	FILE_DELETE	04-006/11:52:59.7
14644	M1O	04-006/12:02:39.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/11:53:00.8
14645	M1O	04-006/12:02:40.7		Deletes the designated file.: d:/dat/056_doy006_pass02_file13.dat	FILE_DELETE	04-006/11:53:01.8
14646	M1O	04-006/12:02:41.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/11:53:02.9
14647	M1O	04-006/12:02:42.8		Deletes the designated file.: d:/dat/056_doy006_pass02_file14.dat	FILE_DELETE	04-006/11:53:03.9
14648	M1O	04-006/12:02:43.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/11:53:05.0
14649	M1O	04-006/12:02:44.9		Deletes the designated file.: d:/dat/056_doy006_pass02_file15.dat	FILE_DELETE	04-006/11:53:06.0
14650	M1O	04-006/12:02:46.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/11:53:07.1
14651	M1O	04-006/12:02:47.0		Deletes the designated file.: d:/dat/056_doy006_pass02_file16.dat	FILE_DELETE	04-006/11:53:08.1
14652	M1O	04-006/12:02:48.1		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-006/11:53:09.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy006_pass02_file17.dat, d:/dat/autoswitch.dat		
14653	M1O	04-006/12:02:49.1		Deletes the designated file.: d:/dat/056_doy006_pass02_file17.dat	FILE_DELETE	04-006/11:53:10.2
14654	M1O	04-006/12:02:50.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/11:53:11.3
14655	M1O	04-006/12:02:51.2		Deletes the designated file.: d:/dat/056_doy006_pass02_file18.dat	FILE_DELETE	04-006/11:53:12.3
14656	M1O	04-006/12:02:52.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/11:53:13.4
14657	M1O	04-006/12:02:53.3		Deletes the designated file.: d:/dat/056_doy006_pass02_file19.dat	FILE_DELETE	04-006/11:53:14.4
14658	M1O	04-006/12:02:54.3		CALL, Engine = , Parameters = 56	get_apid	04-006/11:53:15.4
14659	M1O	04-006/12:02:55.4		CALL, Engine = , Parameters = 56	get_rcv_mode	04-006/11:53:16.5
14660	M1O	04-006/12:02:55.6		CALL, Engine = , Parameters = 56	get_dl_rate	04-006/11:53:16.7
14661	M1O	04-006/12:02:56.7		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-006/11:53:17.8
14662	M1O	04-006/12:02:57.9		CALL, Engine = , Parameters = 56	get_coding	04-006/11:53:19.0
14663	M1O	04-006/12:02:59.1		CALL, Engine = , Parameters = 56	get_xmt_mode	04-006/11:53:20.2
14664	M1O	04-006/12:03:00.3		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-006/11:53:21.4
14665	M1O	04-006/12:03:05.2		NOTE: Exit Planetary Atmosphere 9146		04-006/11:53:26.2
14666	M1O	04-006/12:04:05.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-006/11:54:26.2
14667	M1O	04-006/12:04:06.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-006/11:54:27.2
14668	M1O	04-006/12:04:07.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-006/11:54:28.2
14669	M1O	04-006/12:04:08.1		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-006/11:54:29.2
14670	M1O	04-006/12:04:09.1		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-006/11:54:30.2
14671	M1O	04-006/12:04:10.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-006/11:54:31.2
14672	M1O	04-006/12:04:11.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/11:54:32.2
14673	M1O	04-006/12:05:01.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/11:55:22.2
14674	M1O	04-006/12:05:11.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-006/11:55:32.2
14675	M1O	04-006/12:06:52.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-006/11:57:13.7
14676	M1O	04-006/12:06:52.7	43	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14677	M1O	04-006/12:06:53.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/11:57:14.7
14678	M1O	04-006/12:06:53.7	43	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14679	M1O	04-006/12:06:53.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-006/11:57:14.7
14680	M1O	04-006/12:07:12.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/11:57:33.2
14681	M1O	04-006/12:07:13.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/11:57:34.2
14682	M1O	04-006/12:09:12.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/11:59:33.2
14683	M1O	04-006/12:09:13.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/11:59:34.2
14684	M1O	04-006/12:11:12.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/12:01:33.2
14685	M1O	04-006/12:11:13.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/12:01:34.2
14686	M1O	04-006/12:13:12.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/12:03:33.2
14687	M1O	04-006/12:13:13.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/12:03:34.2
14688	M1O	04-006/12:14:21.1		NOTE: Descending Node Crossing 9147		04-006/12:04:42.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14689	M1O	04-006/12:15:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
14690	M1O	04-006/12:15:12.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/12:05:33.2
14691	M1O	04-006/12:15:13.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/12:05:34.2
14692	M1O	04-006/12:17:12.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/12:07:33.2
14693	M1O	04-006/12:17:13.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/12:07:34.2
14694	M1O	04-006/12:17:43.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/12:08:04.1
14695	M1O	04-006/12:17:44.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-006/12:08:05.2
14696	M1O	04-006/12:17:54.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-006/12:08:15.2
14697	M1O	04-006/12:17:55.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-006/12:08:16.2
14698	M1O	04-006/12:17:56.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-006/12:08:17.2
14699	M1O	04-006/12:17:56.3	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14700	M1O	04-006/12:17:57.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-006/12:08:18.2
14701	M1O	04-006/12:22:56.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-006/12:13:16.9
14702	M1O	04-006/12:22:56.0	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14703	M1O	04-006/12:25:00.0	43	Range Modulation Off		
14704	M1O	04-006/12:30:00.0	43	X-Band Transmitter Off		
14705	M1O	04-006/12:35:41.7	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
14706	M1O	04-006/12:41:08.1		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, TRUE	cend	04-006/12:31:29.0
14707	M1O	04-006/12:41:23.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-004T12:31:29.100, 2004-006T12:31:29.100	PCKTS_RE_TX_TIME	04-006/12:31:44.8
14708	M1O	04-006/12:41:24.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-004T12:31:29.100, 2004-006T12:31:29.100	PCKTS_RE_TX_TIME	04-006/12:31:45.8
14709	M1O	04-006/12:41:25.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-004T12:31:29.100, 2004-006T12:31:29.100	PCKTS_RE_TX_TIME	04-006/12:31:46.8
14710	M1O	04-006/12:41:26.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-004T12:31:29.100, 2004-006T12:31:29.100	PCKTS_RE_TX_TIME	04-006/12:31:47.8
14711	M1O	04-006/12:41:27.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-004T12:31:29.100, 2004-006T12:31:29.100	PCKTS_RE_TX_TIME	04-006/12:31:48.8
14712	M1O	04-006/12:41:28.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-004T12:31:29.100, 2004-006T12:31:29.100	PCKTS_RE_TX_TIME	04-006/12:31:49.8
14713	M1O	04-006/12:41:28.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-006/12:31:49.8
14714	M1O	04-006/12:41:28.9	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14715	M1O	04-006/12:43:01.0	43	NOTE: Below Uplink Interlock Limit		
14716	M1O	04-006/12:43:41.0		NOTE: South Pole Crossing 9147		04-006/12:34:01.9
14717	M1O	04-006/12:45:16.0		NOTE: Periapsis 9147 ----------		04-006/12:35:36.9
14718	M1O	04-006/12:48:29.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/12:38:50.8
14719	M1O	04-006/12:48:29.9	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14720	M1O	04-006/12:48:30.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-006/12:38:51.8
14721	M1O	04-006/12:49:00.9		Turns power OFF or ON to the SDST exciter on the active telecom side.: OFF	SDST_EXCITER	04-006/12:39:21.8
14722	M1O	04-006/12:49:00.9	43	NOTE: Loss Of X-Band Signal		
14723	M1O	04-006/12:49:10.9		Turns power OFF or ON to the SSPA assigned as active.: OFF	SSPA_POWER	04-006/12:39:31.8
14724	M1O	04-006/12:49:11.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-006/12:39:32.8
14725	M1O	04-006/12:49:12.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-006/12:39:33.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14726	M1O	04-006/12:55:00.0	43	End Tracking		
14727	M1O	04-006/13:10:00.0	43	End Post-Cal		
14728	M1O	04-006/13:11:45.7		NOTE: Enter Solar Eclipse 9147		04-006/13:02:06.5
14729	M1O	04-006/13:12:56.8		NOTE: Ascending Node Crossing 9147		04-006/13:03:17.5
14730	M1O	04-006/13:32:24.5		NOTE: Exit Solar Eclipse 9147		04-006/13:22:45.2
14731	M1O	04-006/13:34:01.2		NOTE: ENTER HGA KEEP OUT ZONE		
14732	M1O	04-006/13:41:04.1		NOTE: Enter Planetary Atmosphere 9147		04-006/13:31:24.9
14733	M1O	04-006/13:42:45.2		NOTE: Enter Earth Occultation 9147		04-006/13:33:05.9
14734	M1O	04-006/13:42:53.1		NOTE: North Pole Crossing 9147		04-006/13:33:13.8
14735	M1O	04-006/13:44:53.6		NOTE: Apoapsis 9147 -		04-006/13:35:14.3
14736	M1O	04-006/13:50:38.3		SPAWN, Engine = 65535, Parameters = 006, 03, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-006/13:40:59.0
14737	M1O	04-006/13:50:39.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-006/13:41:00.1
14738	M1O	04-006/13:50:41.4		CALL, Engine = , Parameters = 56	get_cmd_opt	04-006/13:41:02.1
14739	M1O	04-006/13:50:41.7		CALL, Engine = , Parameters = 006, 03, 056	bld_autosw	04-006/13:41:02.4
14740	M1O	04-006/13:50:42.8		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-006/13:41:03.5
14741	M1O	04-006/13:50:43.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/13:41:04.6
14742	M1O	04-006/13:50:44.9		Deletes the designated file.: d:/dat/056_doy006_pass03_file01.dat	FILE_DELETE	04-006/13:41:05.6
14743	M1O	04-006/13:50:46.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/13:41:06.7
14744	M1O	04-006/13:50:47.0		Deletes the designated file.: d:/dat/056_doy006_pass03_file02.dat	FILE_DELETE	04-006/13:41:07.7
14745	M1O	04-006/13:50:48.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/13:41:08.8
14746	M1O	04-006/13:50:49.1		Deletes the designated file.: d:/dat/056_doy006_pass03_file03.dat	FILE_DELETE	04-006/13:41:09.8
14747	M1O	04-006/13:50:50.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/13:41:10.9
14748	M1O	04-006/13:50:51.2		Deletes the designated file.: d:/dat/056_doy006_pass03_file04.dat	FILE_DELETE	04-006/13:41:11.9
14749	M1O	04-006/13:50:52.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/13:41:13.0
14750	M1O	04-006/13:50:53.3		Deletes the designated file.: d:/dat/056_doy006_pass03_file05.dat	FILE_DELETE	04-006/13:41:14.0
14751	M1O	04-006/13:50:54.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/13:41:15.1
14752	M1O	04-006/13:50:55.4		Deletes the designated file.: d:/dat/056_doy006_pass03_file06.dat	FILE_DELETE	04-006/13:41:16.1
14753	M1O	04-006/13:50:56.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/13:41:17.2
14754	M1O	04-006/13:50:57.5		Deletes the designated file.: d:/dat/056_doy006_pass03_file07.dat	FILE_DELETE	04-006/13:41:18.2
14755	M1O	04-006/13:50:58.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/13:41:19.3
14756	M1O	04-006/13:50:59.6		Deletes the designated file.: d:/dat/056_doy006_pass03_file08.dat	FILE_DELETE	04-006/13:41:20.3
14757	M1O	04-006/13:51:00.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/13:41:21.4
14758	M1O	04-006/13:51:01.7		Deletes the designated file.: d:/dat/056_doy006_pass03_file09.dat	FILE_DELETE	04-006/13:41:22.4
14759	M1O	04-006/13:51:02.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/13:41:23.5
14760	M1O	04-006/13:51:03.8		Deletes the designated file.: d:/dat/056_doy006_pass03_file10.dat	FILE_DELETE	04-006/13:41:24.5
14761	M1O	04-006/13:51:04.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/13:41:25.6
14762	M1O	04-006/13:51:05.9		Deletes the designated file.: d:/dat/056_doy006_pass03_file11.dat	FILE_DELETE	04-006/13:41:26.6
14763	M1O	04-006/13:51:07.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/13:41:27.7
14764	M1O	04-006/13:51:08.0		Deletes the designated file.: d:/dat/056_doy006_pass03_file12.dat	FILE_DELETE	04-006/13:41:28.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14765	M1O	04-006/13:51:09.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/13:41:29.8
14766	M1O	04-006/13:51:10.1		Deletes the designated file.: d:/dat/056_doy006_pass03_file13.dat	FILE_DELETE	04-006/13:41:30.8
14767	M1O	04-006/13:51:11.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/13:41:31.9
14768	M1O	04-006/13:51:12.2		Deletes the designated file.: d:/dat/056_doy006_pass03_file14.dat	FILE_DELETE	04-006/13:41:32.9
14769	M1O	04-006/13:51:13.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/13:41:34.0
14770	M1O	04-006/13:51:14.3		Deletes the designated file.: d:/dat/056_doy006_pass03_file15.dat	FILE_DELETE	04-006/13:41:35.0
14771	M1O	04-006/13:51:15.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/13:41:36.1
14772	M1O	04-006/13:51:16.4		Deletes the designated file.: d:/dat/056_doy006_pass03_file16.dat	FILE_DELETE	04-006/13:41:37.1
14773	M1O	04-006/13:51:17.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/13:41:38.2
14774	M1O	04-006/13:51:18.5		Deletes the designated file.: d:/dat/056_doy006_pass03_file17.dat	FILE_DELETE	04-006/13:41:39.2
14775	M1O	04-006/13:51:19.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/13:41:40.3
14776	M1O	04-006/13:51:20.6		Deletes the designated file.: d:/dat/056_doy006_pass03_file18.dat	FILE_DELETE	04-006/13:41:41.3
14777	M1O	04-006/13:51:21.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/13:41:42.4
14778	M1O	04-006/13:51:22.7		Deletes the designated file.: d:/dat/056_doy006_pass03_file19.dat	FILE_DELETE	04-006/13:41:43.4
14779	M1O	04-006/13:51:23.7		CALL, Engine = , Parameters = 56	get_apid	04-006/13:41:44.4
14780	M1O	04-006/13:51:24.8		CALL, Engine = , Parameters = 56	get_rcv_mode	04-006/13:41:45.5
14781	M1O	04-006/13:51:25.0		CALL, Engine = , Parameters = 56	get_dl_rate	04-006/13:41:45.7
14782	M1O	04-006/13:51:26.1		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-006/13:41:46.8
14783	M1O	04-006/13:51:27.3		CALL, Engine = , Parameters = 56	get_coding	04-006/13:41:48.0
14784	M1O	04-006/13:51:28.5		CALL, Engine = , Parameters = 56	get_xmt_mode	04-006/13:41:49.2
14785	M1O	04-006/13:51:29.7		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-006/13:41:50.4
14786	M1O	04-006/13:52:01.3		NOTE: EXIT HGA KEEP OUT ZONE		
14787	M1O	04-006/13:52:34.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-006/13:42:55.2
14788	M1O	04-006/13:52:35.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-006/13:42:56.2
14789	M1O	04-006/13:52:36.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-006/13:42:57.2
14790	M1O	04-006/13:52:37.5		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-006/13:42:58.2
14791	M1O	04-006/13:52:38.5		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-006/13:42:59.2
14792	M1O	04-006/13:52:39.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-006/13:43:00.2
14793	M1O	04-006/13:52:40.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/13:43:01.2
14794	M1O	04-006/13:53:30.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/13:43:51.2
14795	M1O	04-006/13:53:40.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-006/13:44:01.2
14796	M1O	04-006/13:55:00.0	63	Begin Pre-Cal		
14797	M1O	04-006/13:55:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
14798	M1O	04-006/13:55:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
14799	M1O	04-006/13:55:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
14800	M1O	04-006/13:55:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
14801	M1O	04-006/13:55:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
14802	M1O	04-006/13:55:00.0	63	Config: RCV: Parms:		
14803	M1O	04-006/13:55:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
14804	M1O	04-006/13:55:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
14805	M1O	04-006/13:55:00.0	63	Config: TXL		
14806	M1O	04-006/13:55:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
14807	M1O	04-006/13:55:00.0	63	Config: CMD		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14808	M1O	04-006/13:55:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
14809	M1O	04-006/13:55:41.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/13:46:02.2
14810	M1O	04-006/13:55:42.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/13:46:03.2
14811	M1O	04-006/13:57:41.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/13:48:02.2
14812	M1O	04-006/13:57:42.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/13:48:03.2
14813	M1O	04-006/13:59:41.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/13:50:02.2
14814	M1O	04-006/13:59:42.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/13:50:03.2
14815	M1O	04-006/13:59:57.8		NOTE: Exit Earth Occultation 9147		04-006/13:50:18.5
14816	M1O	04-006/14:01:40.0		NOTE: Exit Planetary Atmosphere 9147		04-006/13:52:00.6
14817	M1O	04-006/14:01:41.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/13:52:02.2
14818	M1O	04-006/14:01:42.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/13:52:03.2
14819	M1O	04-006/14:03:41.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/13:54:02.2
14820	M1O	04-006/14:03:42.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/13:54:03.2
14821	M1O	04-006/14:05:41.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/13:56:02.2
14822	M1O	04-006/14:05:42.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/13:56:03.2
14823	M1O	04-006/14:07:41.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/13:58:02.2
14824	M1O	04-006/14:07:42.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/13:58:03.2
14825	M1O	04-006/14:09:41.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/14:00:02.2
14826	M1O	04-006/14:09:42.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/14:00:03.2
14827	M1O	04-006/14:11:41.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/14:02:02.2
14828	M1O	04-006/14:11:42.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/14:02:03.2
14829	M1O	04-006/14:12:53.1		NOTE: Descending Node Crossing 9148		04-006/14:03:13.7
14830	M1O	04-006/14:13:41.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/14:04:02.2
14831	M1O	04-006/14:13:42.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/14:04:03.2
14832	M1O	04-006/14:15:41.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/14:06:02.2
14833	M1O	04-006/14:15:42.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/14:06:03.2
14834	M1O	04-006/14:17:41.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/14:08:02.2
14835	M1O	04-006/14:17:42.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/14:08:03.2
14836	M1O	04-006/14:19:41.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/14:10:02.2

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14837	M1O	04-006/14:19:42.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/14:10:03.2
14838	M1O	04-006/14:21:41.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/14:12:02.2
14839	M1O	04-006/14:21:42.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/14:12:03.2
14840	M1O	04-006/14:23:41.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/14:14:02.2
14841	M1O	04-006/14:23:42.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/14:14:03.2
14842	M1O	04-006/14:24:38.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/14:14:59.2
14843	M1O	04-006/14:24:39.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-006/14:15:00.3
14844	M1O	04-006/14:24:49.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-006/14:15:10.3
14845	M1O	04-006/14:24:50.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-006/14:15:11.3
14846	M1O	04-006/14:24:51.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-006/14:15:12.3
14847	M1O	04-006/14:24:52.7		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-006/14:15:13.3
14848	M1O	04-006/14:42:12.4		NOTE: South Pole Crossing 9148		04-006/14:32:32.9
14849	M1O	04-006/14:43:27.7		NOTE: Periapsis 9148 ----------		04-006/14:33:48.2
14850	M1O	04-006/15:10:18.0		NOTE: Enter Solar Eclipse 9148		04-006/15:00:38.4
14851	M1O	04-006/15:11:28.2		NOTE: Ascending Node Crossing 9148		04-006/15:01:48.7
14852	M1O	04-006/15:24:35.6		SPAWN, Engine = 65535, Parameters = 00:38:58.907	cstr	04-006/15:14:55.9
14853	M1O	04-006/15:24:35.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/15:14:56.0
14854	M1O	04-006/15:24:36.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-006/15:14:57.0
14855	M1O	04-006/15:24:37.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-006/15:14:58.0
14856	M1O	04-006/15:24:38.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-006/15:14:59.0
14857	M1O	04-006/15:24:39.7		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-006/15:15:00.0
14858	M1O	04-006/15:24:49.7		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-006/15:15:10.0
14859	M1O	04-006/15:24:59.7		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-006/15:15:20.0
14860	M1O	04-006/15:25:00.0	63	Begin Tracking		
14861	M1O	04-006/15:25:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14862	M1O	04-006/15:30:55.6		NOTE: Exit Solar Eclipse 9148		04-006/15:21:16.0
14863	M1O	04-006/15:32:32.6		NOTE: ENTER HGA KEEP OUT ZONE		
14864	M1O	04-006/15:32:32.6	63	NOTE: Loss Of X-Band Signal		
14865	M1O	04-006/15:39:34.5		NOTE: Enter Planetary Atmosphere 9148		04-006/15:29:54.9
14866	M1O	04-006/15:39:41.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14867	M1O	04-006/15:41:15.7		NOTE: Enter Earth Occultation 9148		04-006/15:31:36.0
14868	M1O	04-006/15:41:24.1		NOTE: North Pole Crossing 9148		04-006/15:31:44.5
14869	M1O	04-006/15:43:19.1		NOTE: Apoapsis 9148 -		04-006/15:33:39.5
14870	M1O	04-006/15:44:41.0	63	Range Modulation On: SUP=3.0dB		
14871	M1O	04-006/15:45:41.0	63	Begin Ranging Acquisition		
14872	M1O	04-006/15:50:32.6		NOTE: EXIT HGA KEEP OUT ZONE		
14873	M1O	04-006/15:58:27.9		NOTE: Exit Earth Occultation 9148		04-006/15:48:48.2
14874	M1O	04-006/15:58:27.9	63	Acquisition Of X-Band Signal		
14875	M1O	04-006/15:58:27.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14876	M1O	04-006/15:59:00.3	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14877	M1O	04-006/16:00:10.1		NOTE: Exit Planetary Atmosphere 9148		04-006/15:50:30.4
14878	M1O	04-006/16:03:58.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-006/15:54:18.9
14879	M1O	04-006/16:03:59.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-006/15:54:19.9
14880	M1O	04-006/16:03:59.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14881	M1O	04-006/16:04:00.7		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-006/15:54:20.9
14882	M1O	04-006/16:11:23.5		NOTE: Descending Node Crossing 9149		04-006/16:01:43.7
14883	M1O	04-006/16:40:43.4		NOTE: South Pole Crossing 9149		04-006/16:31:03.5
14884	M1O	04-006/16:41:52.9		NOTE: Periapsis 9149 ----------		04-006/16:32:13.1
14885	M1O	04-006/16:56:43.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
14886	M1O	04-006/17:06:43.0	63	Range Modulation Off		
14887	M1O	04-006/17:08:51.3		NOTE: Enter Solar Eclipse 9149		04-006/16:59:11.4
14888	M1O	04-006/17:10:00.4		NOTE: Ascending Node Crossing 9149		04-006/17:00:20.5
14889	M1O	04-006/17:11:43.0	63	X-Band Transmitter Off		
14890	M1O	04-006/17:29:22.8		NOTE: Exit Solar Eclipse 9149		04-006/17:19:42.8
14891	M1O	04-006/17:29:59.9		SPAWN, Engine = 65535, Parameters = 3, 00:32:24, 1	dpt	04-006/17:20:19.8
14892	M1O	04-006/17:30:02.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/17:20:21.9
14893	M1O	04-006/17:30:02.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14894	M1O	04-006/17:30:03.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-006/17:20:22.9
14895	M1O	04-006/17:31:02.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14896	M1O	04-006/17:31:03.0		NOTE: ENTER HGA KEEP OUT ZONE		
14897	M1O	04-006/17:31:03.0	63	NOTE: Loss Of X-Band Signal		
14898	M1O	04-006/17:38:07.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14899	M1O	04-006/17:38:14.6		NOTE: Enter Planetary Atmosphere 9149		04-006/17:28:34.6
14900	M1O	04-006/17:39:57.1		NOTE: Enter Earth Occultation 9149		04-006/17:30:17.0
14901	M1O	04-006/17:39:57.3		NOTE: North Pole Crossing 9149		04-006/17:30:17.3
14902	M1O	04-006/17:41:59.0		NOTE: Apoapsis 9149 -		04-006/17:32:19.0
14903	M1O	04-006/17:43:07.0	63	Range Modulation On: SUP=3.0dB		
14904	M1O	04-006/17:44:07.0	63	Begin Ranging Acquisition		
14905	M1O	04-006/17:49:03.0		NOTE: EXIT HGA KEEP OUT ZONE		
14906	M1O	04-006/17:56:54.8		NOTE: Exit Earth Occultation 9149		04-006/17:47:14.7
14907	M1O	04-006/17:56:54.8	63	Acquisition Of X-Band Signal		
14908	M1O	04-006/17:56:54.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14909	M1O	04-006/17:57:27.0	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14910	M1O	04-006/17:58:38.3		NOTE: Exit Planetary Atmosphere 9149		04-006/17:48:58.2
14911	M1O	04-006/18:02:26.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-006/17:52:45.9
14912	M1O	04-006/18:02:26.1	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14913	M1O	04-006/18:02:27.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-006/17:52:46.9
14914	M1O	04-006/18:09:57.8		NOTE: Descending Node Crossing 9150		04-006/18:00:17.7
14915	M1O	04-006/18:39:18.1		NOTE: South Pole Crossing 9150		04-006/18:29:37.9
14916	M1O	04-006/18:40:34.2		NOTE: Periapsis 9150 ----------		04-006/18:30:54.0
14917	M1O	04-006/18:51:22.2		SPAWN, Engine = 65535, Parameters = 006, 03, FALSE, 00:15:45.915, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-006/18:41:42.0
14918	M1O	04-006/18:51:23.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-006/18:41:43.1
14919	M1O	04-006/18:51:25.3		CALL, Engine = , Parameters = 254	get_cmd_opt	04-006/18:41:45.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14920	M1O	04-006/18:52:07.5		CALL, Engine = , Parameters = 254	get_apid	04-006/18:42:27.3
14921	M1O	04-006/18:52:08.6		CALL, Engine = , Parameters = 254	get_rcv_mode	04-006/18:42:28.4
14922	M1O	04-006/18:52:08.8		CALL, Engine = , Parameters = 254	get_dl_rate	04-006/18:42:28.6
14923	M1O	04-006/18:52:09.9		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-006/18:42:29.7
14924	M1O	04-006/18:52:11.2		CALL, Engine = , Parameters = 254	get_coding	04-006/18:42:31.0
14925	M1O	04-006/18:52:12.4		CALL, Engine = , Parameters = 254	get_xmt_mode	04-006/18:42:32.2
14926	M1O	04-006/18:52:13.6		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-006/18:42:33.4
14927	M1O	04-006/18:53:18.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-006/18:43:38.2
14928	M1O	04-006/18:53:19.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-006/18:43:39.2
14929	M1O	04-006/18:53:20.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-006/18:43:40.2
14930	M1O	04-006/18:53:21.4		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-006/18:43:41.2
14931	M1O	04-006/18:53:22.4		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-006/18:43:42.2
14932	M1O	04-006/18:53:23.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-006/18:43:43.2
14933	M1O	04-006/18:53:24.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/18:43:44.2
14934	M1O	04-006/18:55:35.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
14935	M1O	04-006/19:05:35.0	63	Range Modulation Off		
14936	M1O	04-006/19:07:25.8		NOTE: Enter Solar Eclipse 9150		04-006/18:57:45.4
14937	M1O	04-006/19:08:35.2		NOTE: Ascending Node Crossing 9150		04-006/18:58:54.9
14938	M1O	04-006/19:09:06.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/18:59:26.1
14939	M1O	04-006/19:09:07.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-006/18:59:27.2
14940	M1O	04-006/19:09:17.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-006/18:59:37.2
14941	M1O	04-006/19:09:18.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-006/18:59:38.2
14942	M1O	04-006/19:10:35.0	63	X-Band Transmitter Off		
14943	M1O	04-006/19:27:53.1		NOTE: Exit Solar Eclipse 9150		04-006/19:18:12.7
14944	M1O	04-006/19:28:53.3		SPAWN, Engine = 65535, Parameters = 3, 00:32:02, 1	dpt	04-006/19:19:13.0
14945	M1O	04-006/19:28:55.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/19:19:15.1
14946	M1O	04-006/19:28:55.4	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14947	M1O	04-006/19:28:56.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-006/19:19:16.1
14948	M1O	04-006/19:29:55.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14949	M1O	04-006/19:29:57.3		NOTE: ENTER HGA KEEP OUT ZONE		
14950	M1O	04-006/19:29:57.3	63	NOTE: Loss Of X-Band Signal		
14951	M1O	04-006/19:36:37.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14952	M1O	04-006/19:36:56.4		NOTE: Enter Planetary Atmosphere 9150		04-006/19:27:16.0
14953	M1O	04-006/19:38:33.2		NOTE: North Pole Crossing 9150		04-006/19:28:52.8
14954	M1O	04-006/19:38:39.8		NOTE: Enter Earth Occultation 9150		04-006/19:28:59.4
14955	M1O	04-006/19:40:30.1		NOTE: Apoapsis 9150 -		04-006/19:30:49.7
14956	M1O	04-006/19:41:37.0	63	Range Modulation On: SUP=3.0dB		
14957	M1O	04-006/19:42:37.0	63	Begin Ranging Acquisition		
14958	M1O	04-006/19:47:37.4		NOTE: EXIT HGA KEEP OUT ZONE		
14959	M1O	04-006/19:55:26.3		NOTE: Exit Earth Occultation 9150		04-006/19:45:45.8
14960	M1O	04-006/19:55:26.3	63	Acquisition Of X-Band Signal		
14961	M1O	04-006/19:55:26.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14962	M1O	04-006/19:55:57.8	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14963	M1O	04-006/19:57:10.8		NOTE: Exit Planetary Atmosphere 9150		04-006/19:47:30.4
14964	M1O	04-006/20:00:57.5		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-006/19:51:17.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
14965	M1O	04-006/20:00:57.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14966	M1O	04-006/20:00:58.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-006/19:51:18.1
14967	M1O	04-006/20:08:34.9		NOTE: Descending Node Crossing 9151		04-006/19:58:54.4
14968	M1O	04-006/20:37:55.1		NOTE: South Pole Crossing 9151		04-006/20:28:14.5
14969	M1O	04-006/20:39:11.9		NOTE: Periapsis 9151 ----------		04-006/20:29:31.3
14970	M1O	04-006/20:48:00.6		SPAWN, Engine = 65535, Parameters = 006, 04, TRUE, 00:17:36, 254, FALSE, 32_KPS, 00:05:00, 00:00:00	uhf	04-006/20:38:20.0
14971	M1O	04-006/20:48:01.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/20:38:20.5
14972	M1O	04-006/20:48:01.1	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
14973	M1O	04-006/20:48:01.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-006/20:38:21.1
14974	M1O	04-006/20:48:03.7		CALL, Engine = , Parameters = 254	get_cmd_opt	04-006/20:38:23.1
14975	M1O	04-006/20:48:04.0		CALL, Engine = , Parameters = 006, 04, 254	bld_autosw	04-006/20:38:23.4
14976	M1O	04-006/20:48:05.1		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-006/20:38:24.5
14977	M1O	04-006/20:48:06.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/20:38:25.6
14978	M1O	04-006/20:48:07.2		Deletes the designated file.: d:/dat/254_doy006_pass04_file01.dat	FILE_DELETE	04-006/20:38:26.6
14979	M1O	04-006/20:48:08.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/20:38:27.7
14980	M1O	04-006/20:48:09.3		Deletes the designated file.: d:/dat/254_doy006_pass04_file02.dat	FILE_DELETE	04-006/20:38:28.7
14981	M1O	04-006/20:48:10.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/20:38:29.8
14982	M1O	04-006/20:48:11.4		Deletes the designated file.: d:/dat/254_doy006_pass04_file03.dat	FILE_DELETE	04-006/20:38:30.8
14983	M1O	04-006/20:48:12.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/20:38:31.9
14984	M1O	04-006/20:48:13.5		Deletes the designated file.: d:/dat/254_doy006_pass04_file04.dat	FILE_DELETE	04-006/20:38:32.9
14985	M1O	04-006/20:48:14.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/20:38:34.0
14986	M1O	04-006/20:48:15.6		Deletes the designated file.: d:/dat/254_doy006_pass04_file05.dat	FILE_DELETE	04-006/20:38:35.0
14987	M1O	04-006/20:48:16.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/20:38:36.1
14988	M1O	04-006/20:48:17.7		Deletes the designated file.: d:/dat/254_doy006_pass04_file06.dat	FILE_DELETE	04-006/20:38:37.1
14989	M1O	04-006/20:48:18.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/20:38:38.2
14990	M1O	04-006/20:48:19.8		Deletes the designated file.: d:/dat/254_doy006_pass04_file07.dat	FILE_DELETE	04-006/20:38:39.2
14991	M1O	04-006/20:48:20.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/20:38:40.3
14992	M1O	04-006/20:48:21.9		Deletes the designated file.: d:/dat/254_doy006_pass04_file08.dat	FILE_DELETE	04-006/20:38:41.3
14993	M1O	04-006/20:48:23.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/20:38:42.4
14994	M1O	04-006/20:48:24.0		Deletes the designated file.: d:/dat/254_doy006_pass04_file09.dat	FILE_DELETE	04-006/20:38:43.4
14995	M1O	04-006/20:48:25.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/20:38:44.5
14996	M1O	04-006/20:48:26.1		Deletes the designated file.: d:/dat/254_doy006_pass04_file10.dat	FILE_DELETE	04-006/20:38:45.5
14997	M1O	04-006/20:48:27.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/20:38:46.6
14998	M1O	04-006/20:48:28.2		Deletes the designated file.: d:/dat/254_doy006_pass04_file11.dat	FILE_DELETE	04-006/20:38:47.6
14999	M1O	04-006/20:48:29.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/20:38:48.7
15000	M1O	04-006/20:48:30.3		Deletes the designated file.: d:/dat/254_doy006_pass04_file12.dat	FILE_DELETE	04-006/20:38:49.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15001	M1O	04-006/20:48:31.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/20:38:50.8
15002	M1O	04-006/20:48:32.4		Deletes the designated file.: d:/dat/254_doy006_pass04_file13.dat	FILE_DELETE	04-006/20:38:51.8
15003	M1O	04-006/20:48:33.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/20:38:52.9
15004	M1O	04-006/20:48:34.5		Deletes the designated file.: d:/dat/254_doy006_pass04_file14.dat	FILE_DELETE	04-006/20:38:53.9
15005	M1O	04-006/20:48:35.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/20:38:55.0
15006	M1O	04-006/20:48:36.6		Deletes the designated file.: d:/dat/254_doy006_pass04_file15.dat	FILE_DELETE	04-006/20:38:56.0
15007	M1O	04-006/20:48:37.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/20:38:57.1
15008	M1O	04-006/20:48:38.7		Deletes the designated file.: d:/dat/254_doy006_pass04_file16.dat	FILE_DELETE	04-006/20:38:58.1
15009	M1O	04-006/20:48:39.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/20:38:59.2
15010	M1O	04-006/20:48:40.8		Deletes the designated file.: d:/dat/254_doy006_pass04_file17.dat	FILE_DELETE	04-006/20:39:00.2
15011	M1O	04-006/20:48:41.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/20:39:01.3
15012	M1O	04-006/20:48:42.9		Deletes the designated file.: d:/dat/254_doy006_pass04_file18.dat	FILE_DELETE	04-006/20:39:02.3
15013	M1O	04-006/20:48:44.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy006_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/20:39:03.4
15014	M1O	04-006/20:48:45.0		Deletes the designated file.: d:/dat/254_doy006_pass04_file19.dat	FILE_DELETE	04-006/20:39:04.4
15015	M1O	04-006/20:48:46.0		CALL, Engine = , Parameters = 254	get_apid	04-006/20:39:05.4
15016	M1O	04-006/20:48:47.1		CALL, Engine = , Parameters = 254	get_rcv_mode	04-006/20:39:06.5
15017	M1O	04-006/20:48:47.3		CALL, Engine = , Parameters = 254	get_dl_rate	04-006/20:39:06.7
15018	M1O	04-006/20:48:48.4		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-006/20:39:07.8
15019	M1O	04-006/20:48:49.7		CALL, Engine = , Parameters = 254	get_coding	04-006/20:39:09.1
15020	M1O	04-006/20:48:50.9		CALL, Engine = , Parameters = 254	get_xmt_mode	04-006/20:39:10.3
15021	M1O	04-006/20:48:52.1		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-006/20:39:11.5
15022	M1O	04-006/20:49:56.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-006/20:40:16.3
15023	M1O	04-006/20:49:57.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-006/20:40:17.3
15024	M1O	04-006/20:49:58.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-006/20:40:18.3
15025	M1O	04-006/20:49:59.9		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-006/20:40:19.3
15026	M1O	04-006/20:50:00.9		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-006/20:40:20.3
15027	M1O	04-006/20:50:01.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-006/20:40:21.3
15028	M1O	04-006/20:50:02.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/20:40:22.3
15029	M1O	04-006/20:54:12.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
15030	M1O	04-006/20:54:52.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/20:45:12.3
15031	M1O	04-006/20:55:02.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-006/20:45:22.3
15032	M1O	04-006/21:04:12.0	63	Range Modulation Off		
15033	M1O	04-006/21:06:01.7		NOTE: Enter Solar Eclipse 9151		04-006/20:56:21.0
15034	M1O	04-006/21:07:11.7		NOTE: Ascending Node Crossing 9151		04-006/20:57:31.1
15035	M1O	04-006/21:07:36.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-006/20:57:56.3
15036	M1O	04-006/21:07:38.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-006/20:57:57.4
15037	M1O	04-006/21:07:48.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-006/20:58:07.4
15038	M1O	04-006/21:07:49.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-006/20:58:08.4
15039	M1O	04-006/21:07:50.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-006/20:58:09.4
15040	M1O	04-006/21:07:50.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15041	M1O	04-006/21:07:51.0		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-006/20:58:10.4
15042	M1O	04-006/21:09:12.0	63	X-Band Transmitter Off		
15043	M1O	04-006/21:12:49.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-006/21:03:09.0
15044	M1O	04-006/21:12:49.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15045	M1O	04-006/21:26:28.1		NOTE: Exit Solar Eclipse 9151		04-006/21:16:47.4
15046	M1O	04-006/21:27:30.7		SPAWN, Engine = 65535, Parameters = 3, 00:32:01, 1	dpt	04-006/21:17:50.0
15047	M1O	04-006/21:27:32.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/21:17:52.1
15048	M1O	04-006/21:27:32.8	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15049	M1O	04-006/21:27:33.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-006/21:17:53.1
15050	M1O	04-006/21:28:33.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15051	M1O	04-006/21:28:34.7		NOTE: ENTER HGA KEEP OUT ZONE		
15052	M1O	04-006/21:28:34.7	63	NOTE: Loss Of X-Band Signal		
15053	M1O	04-006/21:35:13.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
15054	M1O	04-006/21:35:33.7		NOTE: Enter Planetary Atmosphere 9151		04-006/21:25:53.0
15055	M1O	04-006/21:37:09.9		NOTE: North Pole Crossing 9151		04-006/21:27:29.1
15056	M1O	04-006/21:37:17.2		NOTE: Enter Earth Occultation 9151		04-006/21:27:36.5
15057	M1O	04-006/21:38:55.0		NOTE: Apoapsis 9151 -		04-006/21:29:14.2
15058	M1O	04-006/21:40:13.0	63	Range Modulation On: SUP=3.0dB		
15059	M1O	04-006/21:41:13.0	63	Begin Ranging Acquisition		
15060	M1O	04-006/21:45:00.0	14	Begin Pre-Cal		
15061	M1O	04-006/21:45:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
15062	M1O	04-006/21:45:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
15063	M1O	04-006/21:45:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
15064	M1O	04-006/21:45:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
15065	M1O	04-006/21:45:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
15066	M1O	04-006/21:45:00.0	14	Config: RCV: Parms:		
15067	M1O	04-006/21:45:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
15068	M1O	04-006/21:45:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
15069	M1O	04-006/21:45:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
15070	M1O	04-006/21:46:14.8		NOTE: EXIT HGA KEEP OUT ZONE		
15071	M1O	04-006/21:54:02.7		NOTE: Exit Earth Occultation 9151		04-006/21:44:21.9
15072	M1O	04-006/21:54:02.7	63	Acquisition Of X-Band Signal		
15073	M1O	04-006/21:54:02.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15074	M1O	04-006/21:54:34.5	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15075	M1O	04-006/21:55:47.4		NOTE: Exit Planetary Atmosphere 9151		04-006/21:46:06.5
15076	M1O	04-006/21:59:33.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-006/21:49:53.1
15077	M1O	04-006/21:59:33.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15078	M1O	04-006/21:59:34.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-006/21:49:54.1
15079	M1O	04-006/22:07:11.6		NOTE: Descending Node Crossing 9152		04-006/21:57:30.8
15080	M1O	04-006/22:36:31.8		NOTE: South Pole Crossing 9152		04-006/22:26:50.9
15081	M1O	04-006/22:37:44.2		NOTE: Periapsis 9152 ----------		04-006/22:28:03.2
15082	M1O	04-006/22:52:49.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
15083	M1O	04-006/23:02:49.0	63	Range Modulation Off		
15084	M1O	04-006/23:04:38.5		NOTE: Enter Solar Eclipse 9152		04-006/22:54:57.5
15085	M1O	04-006/23:05:48.5		NOTE: Ascending Node Crossing 9152		04-006/22:56:07.5
15086	M1O	04-006/23:07:49.0	63	X-Band Transmitter Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15087	M1O	04-006/23:15:37.7	63	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
15088	M1O	04-006/23:24:54.0	63	NOTE: Below Uplink Interlock Limit		
15089	M1O	04-006/23:25:06.5		NOTE: Exit Solar Eclipse 9152		04-006/23:15:25.4
15090	M1O	04-006/23:26:08.1		SPAWN, Engine = 65535, Parameters = 3, 00:31:31.468, 1	dpt	04-006/23:16:27.0
15091	M1O	04-006/23:26:10.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-006/23:16:29.1
15092	M1O	04-006/23:26:10.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15093	M1O	04-006/23:26:11.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-006/23:16:30.1
15094	M1O	04-006/23:27:11.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15095	M1O	04-006/23:27:12.1		NOTE: ENTER HGA KEEP OUT ZONE		
15096	M1O	04-006/23:27:12.1	63	NOTE: Loss Of X-Band Signal		
15097	M1O	04-006/23:34:05.4		NOTE: Enter Planetary Atmosphere 9152		04-006/23:24:24.2
15098	M1O	04-006/23:35:00.0	63	End Tracking		
15099	M1O	04-006/23:35:45.8		NOTE: North Pole Crossing 9152		04-006/23:26:04.7
15100	M1O	04-006/23:35:48.1		NOTE: Enter Earth Occultation 9152		04-006/23:26:07.0
15101	M1O	04-006/23:37:18.5		NOTE: Apoapsis 9152 -		04-006/23:27:37.3
15102	M1O	04-006/23:44:52.1		NOTE: EXIT HGA KEEP OUT ZONE		
15103	M1O	04-006/23:45:00.0	14	Begin Tracking		
15104	M1O	04-006/23:50:00.0	63	End Post-Cal		
15105	M1O	04-006/23:52:41.6		NOTE: Exit Earth Occultation 9152		04-006/23:43:00.4
15106	M1O	04-006/23:52:41.6	14	Acquisition Of X-Band Signal		
15107	M1O	04-006/23:52:41.6	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15108	M1O	04-006/23:54:25.5		NOTE: Exit Planetary Atmosphere 9152		04-006/23:44:44.3
15109	M1O	04-006/23:57:41.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-006/23:48:00.5
15110	M1O	04-006/23:57:41.7	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15111	M1O	04-006/23:57:42.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-006/23:48:01.5
15112	M1O	04-007/00:00:00.0		Light Time: OWLT = 09:41, RTLT = 19:22		
15113	M1O	04-007/00:05:46.4		NOTE: Descending Node Crossing 9153		04-006/23:56:05.1
15114	M1O	04-007/00:18:47.2		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-007/00:09:06.0
15115	M1O	04-007/00:18:47.3		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-007/00:09:06.1
15116	M1O	04-007/00:18:48.3		Forces a desaturation of the reaction wheels.	RW_DESAT	04-007/00:09:07.1
15117	M1O	04-007/00:22:10.2		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-007/00:12:29.0
15118	M1O	04-007/00:22:26.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-005T00:12:29.100, 2004-007T00:12:29.100	PCKTS_RE_TX_TIME	04-007/00:12:44.8
15119	M1O	04-007/00:22:27.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-005T00:12:29.100, 2004-007T00:12:29.100	PCKTS_RE_TX_TIME	04-007/00:12:45.8
15120	M1O	04-007/00:22:28.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-005T00:12:29.100, 2004-007T00:12:29.100	PCKTS_RE_TX_TIME	04-007/00:12:46.8
15121	M1O	04-007/00:22:29.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-005T00:12:29.100, 2004-007T00:12:29.100	PCKTS_RE_TX_TIME	04-007/00:12:47.8
15122	M1O	04-007/00:22:30.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-005T00:12:29.100, 2004-007T00:12:29.100	PCKTS_RE_TX_TIME	04-007/00:12:48.8
15123	M1O	04-007/00:22:31.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-005T00:12:29.100, 2004-007T00:12:29.100	PCKTS_RE_TX_TIME	04-007/00:12:49.8
15124	M1O	04-007/00:22:31.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-007/00:12:49.8
15125	M1O	04-007/00:22:31.0	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15126	M1O	04-007/00:29:32.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/00:19:50.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15127	M1O	04-007/00:29:32.1	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15128	M1O	04-007/00:29:33.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-007/00:19:51.8
15129	M1O	04-007/00:29:49.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-007/00:20:07.8
15130	M1O	04-007/00:29:49.1	14	D/L RF Warning: SC antenna change - expect signal level variation		
15131	M1O	04-007/00:29:50.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-007/00:20:08.8
15132	M1O	04-007/00:30:18.4		CALL, Engine = , Parameters = FALSE	park_hga	04-007/00:20:37.1
15133	M1O	04-007/00:30:18.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/00:20:37.1
15134	M1O	04-007/00:30:19.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-007/00:20:38.1
15135	M1O	04-007/00:30:20.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-007/00:20:39.1
15136	M1O	04-007/00:30:20.4		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-007/00:20:39.1
15137	M1O	04-007/00:30:20.4		NOTE: START HGA PARK		
15138	M1O	04-007/00:30:20.4	14	NOTE: Loss Of X-Band Signal		
15139	M1O	04-007/00:30:21.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-007/00:20:40.1
15140	M1O	04-007/00:30:22.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-007/00:20:41.1
15141	M1O	04-007/00:34:52.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-007/00:25:11.1
15142	M1O	04-007/00:35:06.5		NOTE: South Pole Crossing 9153		04-007/00:25:25.1
15143	M1O	04-007/00:36:21.1		NOTE: Periapsis 9153 ----------		04-007/00:26:39.8
15144	M1O	04-007/00:38:22.4		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-007/00:28:41.1
15145	M1O	04-007/00:38:22.4		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-007/00:28:41.1
15146	M1O	04-007/00:57:43.4		SPAWN, Engine = 65535, Parameters = 007, 01, TRUE, 00:18:11.167, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-007/00:48:02.0
15147	M1O	04-007/00:57:44.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-007/00:48:03.1
15148	M1O	04-007/00:57:46.5		CALL, Engine = , Parameters = 56	get_cmd_opt	04-007/00:48:05.1
15149	M1O	04-007/00:57:46.8		CALL, Engine = , Parameters = 007, 01, 056	bld_autosw	04-007/00:48:05.4
15150	M1O	04-007/00:57:47.9		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-007/00:48:06.5
15151	M1O	04-007/00:57:49.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/00:48:07.6
15152	M1O	04-007/00:57:50.0		Deletes the designated file.: d:/dat/056_doy007_pass01_file01.dat	FILE_DELETE	04-007/00:48:08.6
15153	M1O	04-007/00:57:51.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/00:48:09.7
15154	M1O	04-007/00:57:52.1		Deletes the designated file.: d:/dat/056_doy007_pass01_file02.dat	FILE_DELETE	04-007/00:48:10.7
15155	M1O	04-007/00:57:53.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/00:48:11.8
15156	M1O	04-007/00:57:54.2		Deletes the designated file.: d:/dat/056_doy007_pass01_file03.dat	FILE_DELETE	04-007/00:48:12.8
15157	M1O	04-007/00:57:55.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/00:48:13.9
15158	M1O	04-007/00:57:56.3		Deletes the designated file.: d:/dat/056_doy007_pass01_file04.dat	FILE_DELETE	04-007/00:48:14.9
15159	M1O	04-007/00:57:57.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/00:48:16.0
15160	M1O	04-007/00:57:58.4		Deletes the designated file.: d:/dat/056_doy007_pass01_file05.dat	FILE_DELETE	04-007/00:48:17.0
15161	M1O	04-007/00:57:59.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/00:48:18.1
15162	M1O	04-007/00:58:00.5		Deletes the designated file.: d:/dat/056_doy007_pass01_file06.dat	FILE_DELETE	04-007/00:48:19.1
15163	M1O	04-007/00:58:01.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/00:48:20.2
15164	M1O	04-007/00:58:02.6		Deletes the designated file.: d:/dat/056_doy007_pass01_file07.dat	FILE_DELETE	04-007/00:48:21.2
15165	M1O	04-007/00:58:03.7		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-007/00:48:22.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy007_pass01_file08.dat, d:/dat/autoswitch.dat		
15166	M1O	04-007/00:58:04.7		Deletes the designated file.: d:/dat/056_doy007_pass01_file08.dat	FILE_DELETE	04-007/00:48:23.3
15167	M1O	04-007/00:58:05.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/00:48:24.4
15168	M1O	04-007/00:58:06.8		Deletes the designated file.: d:/dat/056_doy007_pass01_file09.dat	FILE_DELETE	04-007/00:48:25.4
15169	M1O	04-007/00:58:07.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/00:48:26.5
15170	M1O	04-007/00:58:08.9		Deletes the designated file.: d:/dat/056_doy007_pass01_file10.dat	FILE_DELETE	04-007/00:48:27.5
15171	M1O	04-007/00:58:10.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/00:48:28.6
15172	M1O	04-007/00:58:11.0		Deletes the designated file.: d:/dat/056_doy007_pass01_file11.dat	FILE_DELETE	04-007/00:48:29.6
15173	M1O	04-007/00:58:12.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/00:48:30.7
15174	M1O	04-007/00:58:13.1		Deletes the designated file.: d:/dat/056_doy007_pass01_file12.dat	FILE_DELETE	04-007/00:48:31.7
15175	M1O	04-007/00:58:14.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/00:48:32.8
15176	M1O	04-007/00:58:15.2		Deletes the designated file.: d:/dat/056_doy007_pass01_file13.dat	FILE_DELETE	04-007/00:48:33.8
15177	M1O	04-007/00:58:16.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/00:48:34.9
15178	M1O	04-007/00:58:17.3		Deletes the designated file.: d:/dat/056_doy007_pass01_file14.dat	FILE_DELETE	04-007/00:48:35.9
15179	M1O	04-007/00:58:18.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/00:48:37.0
15180	M1O	04-007/00:58:19.4		Deletes the designated file.: d:/dat/056_doy007_pass01_file15.dat	FILE_DELETE	04-007/00:48:38.0
15181	M1O	04-007/00:58:20.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/00:48:39.1
15182	M1O	04-007/00:58:21.5		Deletes the designated file.: d:/dat/056_doy007_pass01_file16.dat	FILE_DELETE	04-007/00:48:40.1
15183	M1O	04-007/00:58:22.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/00:48:41.2
15184	M1O	04-007/00:58:23.6		Deletes the designated file.: d:/dat/056_doy007_pass01_file17.dat	FILE_DELETE	04-007/00:48:42.2
15185	M1O	04-007/00:58:24.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/00:48:43.3
15186	M1O	04-007/00:58:25.7		Deletes the designated file.: d:/dat/056_doy007_pass01_file18.dat	FILE_DELETE	04-007/00:48:44.3
15187	M1O	04-007/00:58:26.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/00:48:45.4
15188	M1O	04-007/00:58:27.8		Deletes the designated file.: d:/dat/056_doy007_pass01_file19.dat	FILE_DELETE	04-007/00:48:46.4
15189	M1O	04-007/00:58:28.8		CALL, Engine = , Parameters = 56	get_apid	04-007/00:48:47.4
15190	M1O	04-007/00:58:29.9		CALL, Engine = , Parameters = 56	get_rcv_mode	04-007/00:48:48.5
15191	M1O	04-007/00:58:30.1		CALL, Engine = , Parameters = 56	get_dl_rate	04-007/00:48:48.7
15192	M1O	04-007/00:58:31.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-007/00:48:49.8
15193	M1O	04-007/00:58:32.4		CALL, Engine = , Parameters = 56	get_coding	04-007/00:48:51.0
15194	M1O	04-007/00:58:33.6		CALL, Engine = , Parameters = 56	get_xmt_mode	04-007/00:48:52.2
15195	M1O	04-007/00:58:34.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-007/00:48:53.4
15196	M1O	04-007/00:59:39.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-007/00:49:58.2
15197	M1O	04-007/00:59:40.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-007/00:49:59.2
15198	M1O	04-007/00:59:41.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-007/00:50:00.2
15199	M1O	04-007/00:59:42.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-007/00:50:01.2
15200	M1O	04-007/00:59:43.6		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-007/00:50:02.2
15201	M1O	04-007/00:59:44.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-007/00:50:03.2
15202	M1O	04-007/00:59:45.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/00:50:04.2
15203	M1O	04-007/01:00:35.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/00:50:54.2
15204	M1O	04-007/01:00:45.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data	DOWNLINK_MODE	04-007/00:51:04.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				stream.: RELAY_CMD		
15205	M1O	04-007/01:02:46.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/00:53:05.2
15206	M1O	04-007/01:02:47.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/00:53:06.2
15207	M1O	04-007/01:03:12.6		NOTE: Enter Solar Eclipse 9153		04-007/00:53:31.1
15208	M1O	04-007/01:04:23.1		NOTE: Ascending Node Crossing 9153		04-007/00:54:41.7
15209	M1O	04-007/01:04:46.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/00:55:05.2
15210	M1O	04-007/01:04:47.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/00:55:06.2
15211	M1O	04-007/01:06:46.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/00:57:05.2
15212	M1O	04-007/01:06:47.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/00:57:06.2
15213	M1O	04-007/01:08:22.4		GV: GV_DESAT_ACTIVE = 1		04-007/00:58:41.0
15214	M1O	04-007/01:08:23.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-007/00:58:42.0
15215	M1O	04-007/01:08:23.4		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-007/00:58:42.0
15216	M1O	04-007/01:08:46.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/00:59:05.2
15217	M1O	04-007/01:08:47.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/00:59:06.2
15218	M1O	04-007/01:10:46.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/01:01:05.2
15219	M1O	04-007/01:10:47.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/01:01:06.2
15220	M1O	04-007/01:12:46.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/01:03:05.2
15221	M1O	04-007/01:12:47.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/01:03:06.2
15222	M1O	04-007/01:14:46.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/01:05:05.2
15223	M1O	04-007/01:14:47.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/01:05:06.2
15224	M1O	04-007/01:16:46.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/01:07:05.2
15225	M1O	04-007/01:16:47.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/01:07:06.2
15226	M1O	04-007/01:17:54.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/01:08:13.3
15227	M1O	04-007/01:17:55.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-007/01:08:14.4
15228	M1O	04-007/01:18:05.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-007/01:08:24.4
15229	M1O	04-007/01:18:06.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-007/01:08:25.4
15230	M1O	04-007/01:18:07.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-007/01:08:26.4
15231	M1O	04-007/01:18:08.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-007/01:08:27.4
15232	M1O	04-007/01:18:22.4		GV: GV_DESAT_ACTIVE = 0		04-007/01:08:41.0
15233	M1O	04-007/01:18:23.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-007/01:08:42.0
15234	M1O	04-007/01:18:24.4		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-007/01:08:43.0
15235	M1O	04-007/01:18:25.4		CALL, Engine = , Parameters =	unpark_hga	04-007/01:08:44.0
15236	M1O	04-007/01:18:25.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS,	FSW_OBJ_INITIAL	04-007/01:08:44.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/sam_ga_hga_cps.cfg,		
15237	M1O	04-007/01:18:26.4		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-007/01:08:45.0
15238	M1O	04-007/01:22:56.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-007/01:13:15.0
15239	M1O	04-007/01:22:57.4		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-007/01:13:16.0
15240	M1O	04-007/01:23:44.1		NOTE: Exit Solar Eclipse 9153		04-007/01:14:02.6
15241	M1O	04-007/01:25:46.4		NOTE: ENTER HGA KEEP OUT ZONE		
15242	M1O	04-007/01:26:57.4		NOTE: EXIT HGA PARK		
15243	M1O	04-007/01:30:00.0	34	Begin Pre-Cal		
15244	M1O	04-007/01:30:00.0	34	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
15245	M1O	04-007/01:30:00.0	34	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
15246	M1O	04-007/01:30:00.0	34	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
15247	M1O	04-007/01:30:00.0	34	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
15248	M1O	04-007/01:30:00.0	34	At BOT: S/C Tlm Mode: BR=0.0, FL=10112, SC=375KHZ, MI=71.7		
15249	M1O	04-007/01:30:00.0	34	Config: RCV: Parms:		
15250	M1O	04-007/01:30:00.0	34	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
15251	M1O	04-007/01:30:00.0	34	Config: TGC: BAND=X, SR=0.000000		
15252	M1O	04-007/01:30:00.0	34	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
15253	M1O	04-007/01:32:33.4		NOTE: Enter Planetary Atmosphere 9153		04-007/01:22:51.9
15254	M1O	04-007/01:34:15.4		NOTE: Enter Earth Occultation 9153		04-007/01:24:33.9
15255	M1O	04-007/01:34:19.3		NOTE: North Pole Crossing 9153		04-007/01:24:37.8
15256	M1O	04-007/01:36:01.3		NOTE: Apoapsis 9153 -		04-007/01:26:19.8
15257	M1O	04-007/01:43:26.5		NOTE: EXIT HGA KEEP OUT ZONE		
15258	M1O	04-007/01:50:52.7		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-007/01:41:11.1
15259	M1O	04-007/01:50:52.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/01:41:11.2
15260	M1O	04-007/01:50:53.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-007/01:41:12.2
15261	M1O	04-007/01:50:54.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-007/01:41:13.2
15262	M1O	04-007/01:50:55.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-007/01:41:14.2
15263	M1O	04-007/01:50:56.8		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-007/01:41:15.2
15264	M1O	04-007/01:51:06.8		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-007/01:41:25.2
15265	M1O	04-007/01:51:16.8		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-007/01:41:35.2
15266	M1O	04-007/01:51:17.7		NOTE: Exit Earth Occultation 9153		04-007/01:41:36.1
15267	M1O	04-007/01:51:17.7	14	Acquisition Of X-Band Signal		
15268	M1O	04-007/01:51:17.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15269	M1O	04-007/01:53:00.7		NOTE: Exit Planetary Atmosphere 9153		04-007/01:43:19.2
15270	M1O	04-007/01:56:16.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-007/01:46:35.2
15271	M1O	04-007/01:56:17.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-007/01:46:36.2
15272	M1O	04-007/01:56:17.8	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15273	M1O	04-007/01:56:18.8		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-007/01:46:37.2
15274	M1O	04-007/02:04:18.7		NOTE: Descending Node Crossing 9154		04-007/01:54:37.1
15275	M1O	04-007/02:33:38.2		NOTE: South Pole Crossing 9154		04-007/02:23:56.5
15276	M1O	04-007/02:34:52.7		NOTE: Periapsis 9154 ----------		04-007/02:25:11.0
15277	M1O	04-007/02:56:28.7		SPAWN, Engine = 65535, Parameters = 007, 02, TRUE, 00:15:30.416, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-007/02:46:47.0
15278	M1O	04-007/02:56:29.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/02:46:47.5
15279	M1O	04-007/02:56:29.2	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15280	M1O	04-007/02:56:29.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-007/02:46:48.1
15281	M1O	04-007/02:56:31.8		CALL, Engine = , Parameters = 56	get_cmd_opt	04-007/02:46:50.1
15282	M1O	04-007/02:56:32.1		CALL, Engine = , Parameters = 007, 02, 056	bld_autosw	04-007/02:46:50.4
15283	M1O	04-007/02:56:33.2		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-007/02:46:51.5
15284	M1O	04-007/02:56:34.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/02:46:52.6
15285	M1O	04-007/02:56:35.3		Deletes the designated file.: d:/dat/056_doy007_pass02_file01.dat	FILE_DELETE	04-007/02:46:53.6
15286	M1O	04-007/02:56:36.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/02:46:54.7
15287	M1O	04-007/02:56:37.4		Deletes the designated file.: d:/dat/056_doy007_pass02_file02.dat	FILE_DELETE	04-007/02:46:55.7
15288	M1O	04-007/02:56:38.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/02:46:56.8
15289	M1O	04-007/02:56:39.5		Deletes the designated file.: d:/dat/056_doy007_pass02_file03.dat	FILE_DELETE	04-007/02:46:57.8
15290	M1O	04-007/02:56:40.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/02:46:58.9
15291	M1O	04-007/02:56:41.6		Deletes the designated file.: d:/dat/056_doy007_pass02_file04.dat	FILE_DELETE	04-007/02:46:59.9
15292	M1O	04-007/02:56:42.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/02:47:01.0
15293	M1O	04-007/02:56:43.7		Deletes the designated file.: d:/dat/056_doy007_pass02_file05.dat	FILE_DELETE	04-007/02:47:02.0
15294	M1O	04-007/02:56:44.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/02:47:03.1
15295	M1O	04-007/02:56:45.8		Deletes the designated file.: d:/dat/056_doy007_pass02_file06.dat	FILE_DELETE	04-007/02:47:04.1
15296	M1O	04-007/02:56:46.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/02:47:05.2
15297	M1O	04-007/02:56:47.9		Deletes the designated file.: d:/dat/056_doy007_pass02_file07.dat	FILE_DELETE	04-007/02:47:06.2
15298	M1O	04-007/02:56:49.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/02:47:07.3
15299	M1O	04-007/02:56:50.0		Deletes the designated file.: d:/dat/056_doy007_pass02_file08.dat	FILE_DELETE	04-007/02:47:08.3
15300	M1O	04-007/02:56:51.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/02:47:09.4
15301	M1O	04-007/02:56:52.1		Deletes the designated file.: d:/dat/056_doy007_pass02_file09.dat	FILE_DELETE	04-007/02:47:10.4
15302	M1O	04-007/02:56:53.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/02:47:11.5
15303	M1O	04-007/02:56:54.2		Deletes the designated file.: d:/dat/056_doy007_pass02_file10.dat	FILE_DELETE	04-007/02:47:12.5
15304	M1O	04-007/02:56:55.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/02:47:13.6
15305	M1O	04-007/02:56:56.3		Deletes the designated file.: d:/dat/056_doy007_pass02_file11.dat	FILE_DELETE	04-007/02:47:14.6
15306	M1O	04-007/02:56:57.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/02:47:15.7
15307	M1O	04-007/02:56:58.4		Deletes the designated file.: d:/dat/056_doy007_pass02_file12.dat	FILE_DELETE	04-007/02:47:16.7
15308	M1O	04-007/02:56:59.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/02:47:17.8
15309	M1O	04-007/02:57:00.5		Deletes the designated file.: d:/dat/056_doy007_pass02_file13.dat	FILE_DELETE	04-007/02:47:18.8
15310	M1O	04-007/02:57:01.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/02:47:19.9
15311	M1O	04-007/02:57:02.6		Deletes the designated file.: d:/dat/056_doy007_pass02_file14.dat	FILE_DELETE	04-007/02:47:20.9
15312	M1O	04-007/02:57:03.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/02:47:22.0
15313	M1O	04-007/02:57:04.7		Deletes the designated file.: d:/dat/056_doy007_pass02_file15.dat	FILE_DELETE	04-007/02:47:23.0
15314	M1O	04-007/02:57:05.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/02:47:24.1
15315	M1O	04-007/02:57:06.8		Deletes the designated file.: d:/dat/056_doy007_pass02_file16.dat	FILE_DELETE	04-007/02:47:25.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15316	M1O	04-007/02:57:07.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/02:47:26.2
15317	M1O	04-007/02:57:08.9		Deletes the designated file.: d:/dat/056_doy007_pass02_file17.dat	FILE_DELETE	04-007/02:47:27.2
15318	M1O	04-007/02:57:10.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/02:47:28.3
15319	M1O	04-007/02:57:11.0		Deletes the designated file.: d:/dat/056_doy007_pass02_file18.dat	FILE_DELETE	04-007/02:47:29.3
15320	M1O	04-007/02:57:12.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/02:47:30.4
15321	M1O	04-007/02:57:13.1		Deletes the designated file.: d:/dat/056_doy007_pass02_file19.dat	FILE_DELETE	04-007/02:47:31.4
15322	M1O	04-007/02:57:14.1		CALL, Engine = , Parameters = 56	get_apid	04-007/02:47:32.4
15323	M1O	04-007/02:57:15.2		CALL, Engine = , Parameters = 56	get_rcv_mode	04-007/02:47:33.5
15324	M1O	04-007/02:57:15.4		CALL, Engine = , Parameters = 56	get_dl_rate	04-007/02:47:33.7
15325	M1O	04-007/02:57:16.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-007/02:47:34.8
15326	M1O	04-007/02:57:17.7		CALL, Engine = , Parameters = 56	get_coding	04-007/02:47:36.0
15327	M1O	04-007/02:57:18.9		CALL, Engine = , Parameters = 56	get_xmt_mode	04-007/02:47:37.2
15328	M1O	04-007/02:57:20.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-007/02:47:38.4
15329	M1O	04-007/02:58:24.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-007/02:48:43.2
15330	M1O	04-007/02:58:25.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-007/02:48:44.2
15331	M1O	04-007/02:58:26.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-007/02:48:45.2
15332	M1O	04-007/02:58:27.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-007/02:48:46.2
15333	M1O	04-007/02:58:28.9		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-007/02:48:47.2
15334	M1O	04-007/02:58:29.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-007/02:48:48.2
15335	M1O	04-007/02:58:30.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/02:48:49.2
15336	M1O	04-007/02:59:20.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/02:49:39.2
15337	M1O	04-007/02:59:30.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-007/02:49:49.2
15338	M1O	04-007/03:00:00.0	34	Begin Tracking		
15339	M1O	04-007/03:00:00.0	34	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15340	M1O	04-007/03:01:31.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/02:51:50.2
15341	M1O	04-007/03:01:32.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/02:51:51.2
15342	M1O	04-007/03:01:43.2		NOTE: Enter Solar Eclipse 9154		04-007/02:52:01.4
15343	M1O	04-007/03:02:54.3		NOTE: Ascending Node Crossing 9154		04-007/02:53:12.6
15344	M1O	04-007/03:03:31.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/02:53:50.2
15345	M1O	04-007/03:03:32.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/02:53:51.2
15346	M1O	04-007/03:05:31.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/02:55:50.2
15347	M1O	04-007/03:05:32.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/02:55:51.2
15348	M1O	04-007/03:07:32.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/02:57:50.2
15349	M1O	04-007/03:07:33.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/02:57:51.2
15350	M1O	04-007/03:09:32.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/02:59:50.2
15351	M1O	04-007/03:09:33.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/02:59:51.2
15352	M1O	04-007/03:11:32.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK,	UHF_XMIT_MODE	04-007/03:01:50.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT, DISABLE		
15353	M1O	04-007/03:11:33.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/03:01:51.2
15354	M1O	04-007/03:13:32.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/03:03:50.2
15355	M1O	04-007/03:13:33.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/03:03:51.2
15356	M1O	04-007/03:13:59.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/03:04:17.6
15357	M1O	04-007/03:14:00.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-007/03:04:18.7
15358	M1O	04-007/03:14:10.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-007/03:04:28.7
15359	M1O	04-007/03:14:11.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-007/03:04:29.7
15360	M1O	04-007/03:14:12.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-007/03:04:30.7
15361	M1O	04-007/03:14:12.5	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15362	M1O	04-007/03:14:12.5	34	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15363	M1O	04-007/03:14:13.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-007/03:04:31.7
15364	M1O	04-007/03:19:12.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-007/03:09:30.4
15365	M1O	04-007/03:19:12.2	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15366	M1O	04-007/03:19:12.2	34	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15367	M1O	04-007/03:22:15.7		NOTE: Exit Solar Eclipse 9154		04-007/03:12:33.9
15368	M1O	04-007/03:23:16.8		SPAWN, Engine = 65535, Parameters = 3, 00:32:01.133, 1	dpt	04-007/03:13:35.0
15369	M1O	04-007/03:23:18.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/03:13:37.1
15370	M1O	04-007/03:23:18.9	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15371	M1O	04-007/03:23:18.9	34	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15372	M1O	04-007/03:23:19.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-007/03:13:38.1
15373	M1O	04-007/03:24:18.8		NOTE: ENTER HGA KEEP OUT ZONE		
15374	M1O	04-007/03:24:18.8	14	NOTE: Loss Of X-Band Signal		
15375	M1O	04-007/03:24:18.8	34	NOTE: Loss Of X-Band Signal		
15376	M1O	04-007/03:30:57.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
15377	M1O	04-007/03:31:03.6		NOTE: Enter Planetary Atmosphere 9154		04-007/03:21:21.8
15378	M1O	04-007/03:32:45.6		NOTE: Enter Earth Occultation 9154		04-007/03:23:03.7
15379	M1O	04-007/03:32:50.6		NOTE: North Pole Crossing 9154		04-007/03:23:08.7
15380	M1O	04-007/03:34:34.5		NOTE: Apoapsis 9154 -		04-007/03:24:52.6
15381	M1O	04-007/03:35:57.0	14	Range Modulation On: SUP=3.0dB		
15382	M1O	04-007/03:36:57.0	14	Begin Ranging Acquisition		
15383	M1O	04-007/03:41:58.9		NOTE: EXIT HGA KEEP OUT ZONE		
15384	M1O	04-007/03:49:48.9		NOTE: Exit Earth Occultation 9154		04-007/03:40:07.0
15385	M1O	04-007/03:49:48.9	14	Acquisition Of X-Band Signal		
15386	M1O	04-007/03:49:48.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15387	M1O	04-007/03:49:48.9	34	Acquisition Of X-Band Signal		
15388	M1O	04-007/03:49:48.9	34	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15389	M1O	04-007/03:50:20.7	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15390	M1O	04-007/03:50:20.7	34	Acquire D/L: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15391	M1O	04-007/03:51:32.0		NOTE: Exit Planetary Atmosphere 9154		04-007/03:41:50.1
15392	M1O	04-007/03:55:20.1		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-007/03:45:38.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
15393	M1O	04-007/03:55:20.1	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15394	M1O	04-007/03:55:20.1	34	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15395	M1O	04-007/03:55:21.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-007/03:45:39.2
15396	M1O	04-007/04:02:50.1		NOTE: Descending Node Crossing 9155		04-007/03:53:08.2
15397	M1O	04-007/04:32:08.9		NOTE: South Pole Crossing 9155		04-007/04:22:26.8
15398	M1O	04-007/04:33:05.8		NOTE: Periapsis 9155 ----------		04-007/04:23:23.8
15399	M1O	04-007/04:48:05.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
15400	M1O	04-007/04:58:05.0	14	Range Modulation Off		
15401	M1O	04-007/05:00:15.3		NOTE: Enter Solar Eclipse 9155		04-007/04:50:33.2
15402	M1O	04-007/05:01:25.1		NOTE: Ascending Node Crossing 9155		04-007/04:51:42.9
15403	M1O	04-007/05:03:05.0	14	X-Band Transmitter Off		
15404	M1O	04-007/05:20:41.4		NOTE: Exit Solar Eclipse 9155		04-007/05:10:59.2
15405	M1O	04-007/05:21:26.3		SPAWN, Engine = 65535, Parameters = 3, 00:32:19, 1	dpt	04-007/05:11:44.1
15406	M1O	04-007/05:21:28.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/05:11:46.2
15407	M1O	04-007/05:21:28.4	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15408	M1O	04-007/05:21:28.4	34	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15409	M1O	04-007/05:21:29.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-007/05:11:47.2
15410	M1O	04-007/05:22:29.3	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15411	M1O	04-007/05:22:29.3	34	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15412	M1O	04-007/05:22:30.2		NOTE: ENTER HGA KEEP OUT ZONE		
15413	M1O	04-007/05:22:30.2	14	NOTE: Loss Of X-Band Signal		
15414	M1O	04-007/05:22:30.2	34	NOTE: Loss Of X-Band Signal		
15415	M1O	04-007/05:29:24.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
15416	M1O	04-007/05:29:42.0		NOTE: Enter Planetary Atmosphere 9155		04-007/05:19:59.8
15417	M1O	04-007/05:31:22.6		NOTE: North Pole Crossing 9155		04-007/05:21:40.4
15418	M1O	04-007/05:31:25.0		NOTE: Enter Earth Occultation 9155		04-007/05:21:42.8
15419	M1O	04-007/05:32:46.4		NOTE: Apoapsis 9155 -		04-007/05:23:04.1
15420	M1O	04-007/05:34:24.0	14	Range Modulation On: SUP=3.0dB		
15421	M1O	04-007/05:35:24.0	14	Begin Ranging Acquisition		
15422	M1O	04-007/05:40:30.2		NOTE: EXIT HGA KEEP OUT ZONE		
15423	M1O	04-007/05:48:16.2		NOTE: Exit Earth Occultation 9155		04-007/05:38:33.9
15424	M1O	04-007/05:48:16.2	14	Acquisition Of X-Band Signal		
15425	M1O	04-007/05:48:16.2	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15426	M1O	04-007/05:48:16.2	34	Acquisition Of X-Band Signal		
15427	M1O	04-007/05:48:16.2	34	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15428	M1O	04-007/05:48:48.4	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15429	M1O	04-007/05:48:48.4	34	Acquire D/L: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15430	M1O	04-007/05:50:00.4		NOTE: Exit Planetary Atmosphere 9155		04-007/05:40:18.1
15431	M1O	04-007/05:53:47.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-007/05:44:05.2
15432	M1O	04-007/05:53:47.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15433	M1O	04-007/05:53:47.5	34	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
15434	M1O	04-007/05:53:48.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-007/05:44:06.2
15435	M1O	04-007/06:01:23.1		NOTE: Descending Node Crossing 9156		04-007/05:51:40.8
15436	M1O	04-007/06:30:00.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
15437	M1O	04-007/06:30:42.9		NOTE: South Pole Crossing 9156		04-007/06:21:00.5
15438	M1O	04-007/06:31:34.1		NOTE: Periapsis 9156 ----------		04-007/06:21:51.6
15439	M1O	04-007/06:40:00.0	14	Range Modulation Off		
15440	M1O	04-007/06:45:00.0	14	X-Band Transmitter Off		
15441	M1O	04-007/06:45:34.9	14	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
15442	M1O	04-007/06:55:43.0	14	NOTE: Below Uplink Interlock Limit		
15443	M1O	04-007/06:58:52.4		NOTE: Enter Solar Eclipse 9156		04-007/06:49:09.8
15444	M1O	04-007/07:00:00.3		NOTE: Ascending Node Crossing 9156		04-007/06:50:17.8
15445	M1O	04-007/07:03:22.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:35.376, 1	dpt	04-007/06:53:40.2
15446	M1O	04-007/07:03:24.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/06:53:42.3
15447	M1O	04-007/07:03:24.8	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15448	M1O	04-007/07:03:24.8	34	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15449	M1O	04-007/07:03:25.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-007/06:53:43.3
15450	M1O	04-007/07:04:24.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15451	M1O	04-007/07:04:24.9	34	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15452	M1O	04-007/07:05:00.0	14	End Tracking		
15453	M1O	04-007/07:05:00.1		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-007/06:55:17.6
15454	M1O	04-007/07:05:00.1		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	04-007/06:55:17.6
15455	M1O	04-007/07:05:00.1	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15456	M1O	04-007/07:09:42.5		SPAWN, Engine = 65535, Parameters =	scdiag	04-007/07:00:00.0
15457	M1O	04-007/07:09:43.6		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-007/07:00:01.1
15458	M1O	04-007/07:09:44.6		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-007/07:00:02.1
15459	M1O	04-007/07:10:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-007/07:00:17.7
15460	M1O	04-007/07:10:00.2	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15461	M1O	04-007/07:10:01.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-007/07:00:18.7
15462	M1O	04-007/07:10:45.5		SPAWN, Engine = 65535, Parameters = WEEKLY	fsw_diag	04-007/07:01:03.0
15463	M1O	04-007/07:10:45.7		NOTE: Start Block fsw_diag		04-007/07:01:03.2
15464	M1O	04-007/07:10:46.7		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D53,0x686F7720,0x313B6368,0x65636B53,0x7461636B,0x3B690000,0x0000,0x0000,0x0000, 0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000]	FSW_VX_CMD	04-007/07:01:04.2
15465	M1O	04-007/07:10:47.7		Creates a non-channelized telemetry packet for APID 7.: d:/	FILE_SYS_STATUS	04-007/07:01:05.2
15466	M1O	04-007/07:10:58.7		NOTE: End Block fsw_diag.mod		04-007/07:01:16.2
15467	M1O	04-007/07:11:58.5		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-007/07:02:16.0
15468	M1O	04-007/07:11:58.7		NOTE: Start Block fsw_diag		04-007/07:02:16.2
15469	M1O	04-007/07:11:59.7		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-007/07:02:17.2
15470	M1O	04-007/07:12:00.7		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	04-007/07:02:18.2
15471	M1O	04-007/07:12:11.7		Causes flight software to execute the VXWorks shell command contained in the parameter.:	FSW_VX_CMD	04-007/07:02:29.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				[0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]		
15472	M1O	04-007/07:12:41.7		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-007/07:02:59.2
15473	M1O	04-007/07:13:01.7		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-007/07:03:19.2
15474	M1O	04-007/07:13:11.7		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-007/07:03:29.2
15475	M1O	04-007/07:13:31.7		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-007/07:03:49.2
15476	M1O	04-007/07:13:41.7		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-007/07:03:59.2
15477	M1O	04-007/07:13:46.7		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-007/07:04:04.2
15478	M1O	04-007/07:13:51.7		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-007/07:04:09.2
15479	M1O	04-007/07:13:56.7		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-007/07:04:14.2
15480	M1O	04-007/07:14:01.7		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-007/07:04:19.2
15481	M1O	04-007/07:14:06.7		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-007/07:04:24.2
15482	M1O	04-007/07:14:46.7		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-007/07:05:04.2
15483	M1O	04-007/07:14:51.7		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-007/07:05:09.2
15484	M1O	04-007/07:14:56.7		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-007/07:05:14.2
15485	M1O	04-007/07:15:01.7		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-007/07:05:19.2
15486	M1O	04-007/07:15:06.7		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-007/07:05:24.2
15487	M1O	04-007/07:15:07.7		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-007/07:05:25.2
15488	M1O	04-007/07:15:08.7		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-007/07:05:26.2
15489	M1O	04-007/07:15:09.7		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-007/07:05:27.2
15490	M1O	04-007/07:15:20.7		NOTE: End Block fsw_diag.mod		04-007/07:05:38.2
15491	M1O	04-007/07:19:12.6		NOTE: Exit Solar Eclipse 9156		04-007/07:09:30.0
15492	M1O	04-007/07:20:00.0	14	End Post-Cal		
15493	M1O	04-007/07:20:21.5		SPAWN, Engine = 65535, Parameters = 3, 00:31:23.628, 1	dpt	04-007/07:10:39.0
15494	M1O	04-007/07:20:23.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/07:10:41.1
15495	M1O	04-007/07:20:23.6	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15496	M1O	04-007/07:20:24.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-007/07:10:42.1
15497	M1O	04-007/07:21:23.5		NOTE: ENTER HGA KEEP OUT ZONE		
15498	M1O	04-007/07:21:23.5	34	NOTE: Loss Of X-Band Signal		
15499	M1O	04-007/07:28:21.6		NOTE: Enter Planetary Atmosphere 9156		04-007/07:18:39.0
15500	M1O	04-007/07:29:58.0		NOTE: North Pole Crossing 9156		04-007/07:20:15.4
15501	M1O	04-007/07:30:05.5		NOTE: Enter Earth Occultation 9156		04-007/07:20:22.8
15502	M1O	04-007/07:31:25.3		NOTE: Apoapsis 9156 -		04-007/07:21:42.6
15503	M1O	04-007/07:39:03.6		NOTE: EXIT HGA KEEP OUT ZONE		
15504	M1O	04-007/07:46:47.3		NOTE: Exit Earth Occultation 9156		04-007/07:37:04.6
15505	M1O	04-007/07:46:47.3	34	Acquisition Of X-Band Signal		
15506	M1O	04-007/07:46:47.3	34	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15507	M1O	04-007/07:48:32.2		NOTE: Exit Planetary Atmosphere 9156		04-007/07:38:49.5
15508	M1O	04-007/07:50:14.6		SPAWN, Engine = 65535, Parameters = 007, 01, TRUE, 00:19:00, 254, TRUE, 32_KPS, 00:05:00, 00:00:00	uhf	04-007/07:40:32.0
15509	M1O	04-007/07:50:15.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-007/07:40:33.1
15510	M1O	04-007/07:50:17.7		CALL, Engine = , Parameters = 254	get_cmd_opt	04-007/07:40:35.1
15511	M1O	04-007/07:50:18.0		CALL, Engine = , Parameters = 007, 01, 254	bld_autosw	04-007/07:40:35.4
15512	M1O	04-007/07:50:19.1		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-007/07:40:36.5
15513	M1O	04-007/07:50:20.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/07:40:37.6
15514	M1O	04-007/07:50:21.2		Deletes the designated file.: d:/dat/254_doy007_pass01_file01.dat	FILE_DELETE	04-007/07:40:38.6
15515	M1O	04-007/07:50:22.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/07:40:39.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15516	M1O	04-007/07:50:23.3		Deletes the designated file.: d:/dat/254_doy007_pass01_file02.dat	FILE_DELETE	04-007/07:40:40.7
15517	M1O	04-007/07:50:24.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/07:40:41.8
15518	M1O	04-007/07:50:25.4		Deletes the designated file.: d:/dat/254_doy007_pass01_file03.dat	FILE_DELETE	04-007/07:40:42.8
15519	M1O	04-007/07:50:26.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/07:40:43.9
15520	M1O	04-007/07:50:27.5		Deletes the designated file.: d:/dat/254_doy007_pass01_file04.dat	FILE_DELETE	04-007/07:40:44.9
15521	M1O	04-007/07:50:28.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/07:40:46.0
15522	M1O	04-007/07:50:29.6		Deletes the designated file.: d:/dat/254_doy007_pass01_file05.dat	FILE_DELETE	04-007/07:40:47.0
15523	M1O	04-007/07:50:30.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/07:40:48.1
15524	M1O	04-007/07:50:31.7		Deletes the designated file.: d:/dat/254_doy007_pass01_file06.dat	FILE_DELETE	04-007/07:40:49.1
15525	M1O	04-007/07:50:32.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/07:40:50.2
15526	M1O	04-007/07:50:33.8		Deletes the designated file.: d:/dat/254_doy007_pass01_file07.dat	FILE_DELETE	04-007/07:40:51.2
15527	M1O	04-007/07:50:34.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/07:40:52.3
15528	M1O	04-007/07:50:35.9		Deletes the designated file.: d:/dat/254_doy007_pass01_file08.dat	FILE_DELETE	04-007/07:40:53.3
15529	M1O	04-007/07:50:37.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/07:40:54.4
15530	M1O	04-007/07:50:38.0		Deletes the designated file.: d:/dat/254_doy007_pass01_file09.dat	FILE_DELETE	04-007/07:40:55.4
15531	M1O	04-007/07:50:39.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/07:40:56.5
15532	M1O	04-007/07:50:40.1		Deletes the designated file.: d:/dat/254_doy007_pass01_file10.dat	FILE_DELETE	04-007/07:40:57.5
15533	M1O	04-007/07:50:41.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/07:40:58.6
15534	M1O	04-007/07:50:42.2		Deletes the designated file.: d:/dat/254_doy007_pass01_file11.dat	FILE_DELETE	04-007/07:40:59.6
15535	M1O	04-007/07:50:43.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/07:41:00.7
15536	M1O	04-007/07:50:44.3		Deletes the designated file.: d:/dat/254_doy007_pass01_file12.dat	FILE_DELETE	04-007/07:41:01.7
15537	M1O	04-007/07:50:45.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/07:41:02.8
15538	M1O	04-007/07:50:46.4		Deletes the designated file.: d:/dat/254_doy007_pass01_file13.dat	FILE_DELETE	04-007/07:41:03.8
15539	M1O	04-007/07:50:47.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/07:41:04.9
15540	M1O	04-007/07:50:48.5		Deletes the designated file.: d:/dat/254_doy007_pass01_file14.dat	FILE_DELETE	04-007/07:41:05.9
15541	M1O	04-007/07:50:49.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/07:41:07.0
15542	M1O	04-007/07:50:50.6		Deletes the designated file.: d:/dat/254_doy007_pass01_file15.dat	FILE_DELETE	04-007/07:41:08.0
15543	M1O	04-007/07:50:51.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/07:41:09.1
15544	M1O	04-007/07:50:52.7		Deletes the designated file.: d:/dat/254_doy007_pass01_file16.dat	FILE_DELETE	04-007/07:41:10.1
15545	M1O	04-007/07:50:53.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/07:41:11.2
15546	M1O	04-007/07:50:54.8		Deletes the designated file.: d:/dat/254_doy007_pass01_file17.dat	FILE_DELETE	04-007/07:41:12.2
15547	M1O	04-007/07:50:55.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/07:41:13.3
15548	M1O	04-007/07:50:56.9		Deletes the designated file.: d:/dat/254_doy007_pass01_file18.dat	FILE_DELETE	04-007/07:41:14.3
15549	M1O	04-007/07:50:58.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/07:41:15.4
15550	M1O	04-007/07:50:59.0		Deletes the designated file.: d:/dat/254_doy007_pass01_file19.dat	FILE_DELETE	04-007/07:41:16.4
15551	M1O	04-007/07:51:00.0		CALL, Engine = , Parameters = 254	get_apid	04-007/07:41:17.4
15552	M1O	04-007/07:51:01.1		CALL, Engine = , Parameters = 254	get_rcv_mode	04-007/07:41:18.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15553	M1O	04-007/07:51:01.3		CALL, Engine = , Parameters = 254	get_dl_rate	04-007/07:41:18.7
15554	M1O	04-007/07:51:02.4		CALL, Engine = , Parameters = 254, TRUE	get_modulatn	04-007/07:41:19.8
15555	M1O	04-007/07:51:03.7		CALL, Engine = , Parameters = 254	get_coding	04-007/07:41:21.1
15556	M1O	04-007/07:51:04.9		CALL, Engine = , Parameters = 254	get_xmt_mode	04-007/07:41:22.3
15557	M1O	04-007/07:51:06.1		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-007/07:41:23.5
15558	M1O	04-007/07:51:47.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-007/07:42:04.7
15559	M1O	04-007/07:51:47.4	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15560	M1O	04-007/07:51:48.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/07:42:05.7
15561	M1O	04-007/07:51:48.3	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15562	M1O	04-007/07:51:48.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-007/07:42:05.7
15563	M1O	04-007/07:52:10.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-007/07:42:28.3
15564	M1O	04-007/07:52:11.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-007/07:42:29.3
15565	M1O	04-007/07:52:12.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-007/07:42:30.3
15566	M1O	04-007/07:52:13.9		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-007/07:42:31.3
15567	M1O	04-007/07:52:14.9		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-007/07:42:32.3
15568	M1O	04-007/07:52:15.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-007/07:42:33.3
15569	M1O	04-007/07:52:16.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/07:42:34.3
15570	M1O	04-007/07:52:17.9		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-007/07:42:35.3
15571	M1O	04-007/07:52:18.9		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-007/07:42:36.3
15572	M1O	04-007/07:57:07.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/07:47:24.3
15573	M1O	04-007/07:57:17.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-007/07:47:34.3
15574	M1O	04-007/07:59:58.7		NOTE: Descending Node Crossing 9157		04-007/07:50:15.9
15575	M1O	04-007/08:00:00.0	43	Begin Pre-Cal		
15576	M1O	04-007/08:00:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
15577	M1O	04-007/08:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
15578	M1O	04-007/08:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
15579	M1O	04-007/08:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
15580	M1O	04-007/08:00:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
15581	M1O	04-007/08:00:00.0	43	Config: RCV: Parms:		
15582	M1O	04-007/08:00:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
15583	M1O	04-007/08:00:00.0	43	Config: TGC: BAND=X, SR=79632.000000		
15584	M1O	04-007/08:00:00.0	43	Config: TXL		
15585	M1O	04-007/08:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
15586	M1O	04-007/08:00:00.0	43	Config: CMD		
15587	M1O	04-007/08:00:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
15588	M1O	04-007/08:11:12.0		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-007/08:01:29.3
15589	M1O	04-007/08:11:13.0		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-007/08:01:30.3
15590	M1O	04-007/08:11:15.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/08:01:32.3
15591	M1O	04-007/08:11:16.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-007/08:01:33.4
15592	M1O	04-007/08:11:26.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-007/08:01:43.4
15593	M1O	04-007/08:11:27.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-007/08:01:44.4
15594	M1O	04-007/08:11:28.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-007/08:01:45.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15595	M1O	04-007/08:11:28.1	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15596	M1O	04-007/08:11:29.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-007/08:01:46.4
15597	M1O	04-007/08:16:27.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-007/08:06:45.0
15598	M1O	04-007/08:16:27.7	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15599	M1O	04-007/08:29:19.7		NOTE: South Pole Crossing 9157		04-007/08:19:36.9
15600	M1O	04-007/08:30:33.2		NOTE: Periapsis 9157 ----------		04-007/08:20:50.4
15601	M1O	04-007/08:43:58.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-007/08:34:15.6
15602	M1O	04-007/08:44:00.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/08:34:17.7
15603	M1O	04-007/08:44:00.5	34	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15604	M1O	04-007/08:44:01.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-007/08:34:18.7
15605	M1O	04-007/08:45:00.0	43	Begin Tracking		
15606	M1O	04-007/08:45:00.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15607	M1O	04-007/08:45:00.4		NOTE: Changing to 70M downlink rate: 110600_BPS		04-007/08:35:17.6
15608	M1O	04-007/08:45:00.4		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	04-007/08:35:17.6
15609	M1O	04-007/08:45:00.4	34	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15610	M1O	04-007/08:45:00.4	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15611	M1O	04-007/08:50:00.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-007/08:40:17.7
15612	M1O	04-007/08:50:00.5	34	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15613	M1O	04-007/08:50:00.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15614	M1O	04-007/08:50:01.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-007/08:40:18.7
15615	M1O	04-007/08:57:28.9		NOTE: Enter Solar Eclipse 9157		04-007/08:47:46.0
15616	M1O	04-007/08:58:37.6		NOTE: Ascending Node Crossing 9157		04-007/08:48:54.7
15617	M1O	04-007/09:17:48.9		NOTE: Exit Solar Eclipse 9157		04-007/09:08:05.9
15618	M1O	04-007/09:18:56.9		SPAWN, Engine = 65535, Parameters = 3, 00:31:54.253, 1	dpt	04-007/09:09:14.0
15619	M1O	04-007/09:18:59.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/09:09:16.1
15620	M1O	04-007/09:18:59.0	34	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15621	M1O	04-007/09:18:59.0	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15622	M1O	04-007/09:19:00.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-007/09:09:17.1
15623	M1O	04-007/09:19:58.9		NOTE: ENTER HGA KEEP OUT ZONE		
15624	M1O	04-007/09:19:58.9	34	NOTE: Loss Of X-Band Signal		
15625	M1O	04-007/09:19:58.9	43	NOTE: Loss Of X-Band Signal		
15626	M1O	04-007/09:26:28.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
15627	M1O	04-007/09:26:58.8		NOTE: Enter Planetary Atmosphere 9157		04-007/09:17:15.8
15628	M1O	04-007/09:28:34.7		NOTE: North Pole Crossing 9157		04-007/09:18:51.7
15629	M1O	04-007/09:28:43.0		NOTE: Enter Earth Occultation 9157		04-007/09:19:00.0
15630	M1O	04-007/09:30:32.4		NOTE: Apoapsis 9157 -		04-007/09:20:49.4
15631	M1O	04-007/09:31:28.0	43	Range Modulation On: SUP=3.0dB		
15632	M1O	04-007/09:32:28.0	43	Begin Ranging Acquisition		
15633	M1O	04-007/09:37:19.0		NOTE: EXIT HGA KEEP OUT ZONE		
15634	M1O	04-007/09:45:21.5		NOTE: Exit Earth Occultation 9157		04-007/09:35:38.4
15635	M1O	04-007/09:45:21.5	34	Acquisition Of X-Band Signal		
15636	M1O	04-007/09:45:21.5	34	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15637	M1O	04-007/09:45:21.5	43	Acquisition Of X-Band Signal		
15638	M1O	04-007/09:45:21.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15639	M1O	04-007/09:45:53.9	34	Acquire D/L: X/08, 3-Way/43, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15640	M1O	04-007/09:45:53.9	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15641	M1O	04-007/09:47:06.7		NOTE: Exit Planetary Atmosphere 9157		04-007/09:37:23.6
15642	M1O	04-007/09:50:53.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-007/09:41:10.3
15643	M1O	04-007/09:50:53.4	34	D/L Change: X/08, 3-Way/43, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15644	M1O	04-007/09:50:53.4	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15645	M1O	04-007/09:50:54.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-007/09:41:11.3
15646	M1O	04-007/09:51:40.0		SPAWN, Engine = 65535, Parameters = 007, 02, FALSE, 00:11:43.572, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-007/09:41:57.0
15647	M1O	04-007/09:51:41.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-007/09:41:58.1
15648	M1O	04-007/09:51:43.1		CALL, Engine = , Parameters = 254	get_cmd_opt	04-007/09:42:00.1
15649	M1O	04-007/09:52:25.3		CALL, Engine = , Parameters = 254	get_apid	04-007/09:42:42.3
15650	M1O	04-007/09:52:26.4		CALL, Engine = , Parameters = 254	get_rcv_mode	04-007/09:42:43.4
15651	M1O	04-007/09:52:26.6		CALL, Engine = , Parameters = 254	get_dl_rate	04-007/09:42:43.6
15652	M1O	04-007/09:52:27.7		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-007/09:42:44.7
15653	M1O	04-007/09:52:29.0		CALL, Engine = , Parameters = 254	get_coding	04-007/09:42:46.0
15654	M1O	04-007/09:52:30.2		CALL, Engine = , Parameters = 254	get_xmt_mode	04-007/09:42:47.2
15655	M1O	04-007/09:52:31.4		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-007/09:42:48.4
15656	M1O	04-007/09:53:36.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-007/09:43:53.2
15657	M1O	04-007/09:53:37.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-007/09:43:54.2
15658	M1O	04-007/09:53:38.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-007/09:43:55.2
15659	M1O	04-007/09:53:39.2		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-007/09:43:56.2
15660	M1O	04-007/09:53:40.2		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-007/09:43:57.2
15661	M1O	04-007/09:53:41.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-007/09:43:58.2
15662	M1O	04-007/09:53:42.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/09:43:59.2
15663	M1O	04-007/09:58:35.4		NOTE: Descending Node Crossing 9158		04-007/09:48:52.4
15664	M1O	04-007/10:05:21.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/09:55:38.7
15665	M1O	04-007/10:05:22.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-007/09:55:39.8
15666	M1O	04-007/10:05:32.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-007/09:55:49.8
15667	M1O	04-007/10:05:33.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-007/09:55:50.8
15668	M1O	04-007/10:15:00.0	34	End Tracking		
15669	M1O	04-007/10:27:56.7		NOTE: South Pole Crossing 9158		04-007/10:18:13.5
15670	M1O	04-007/10:29:32.6		NOTE: Periapsis 9158 ----------		04-007/10:19:49.4
15671	M1O	04-007/10:30:00.0	34	End Post-Cal		
15672	M1O	04-007/10:44:08.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
15673	M1O	04-007/10:54:08.0	43	Range Modulation Off		
15674	M1O	04-007/10:56:03.3		NOTE: Enter Solar Eclipse 9158		04-007/10:46:20.0
15675	M1O	04-007/10:57:14.1		NOTE: Ascending Node Crossing 9158		04-007/10:47:30.8
15676	M1O	04-007/10:59:08.0	43	X-Band Transmitter Off		
15677	M1O	04-007/11:16:26.1		NOTE: Exit Solar Eclipse 9158		04-007/11:06:42.8
15678	M1O	04-007/11:17:31.5		SPAWN, Engine = 65535, Parameters = 3, 00:31:56, 1	dpt	04-007/11:07:48.2
15679	M1O	04-007/11:17:33.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/11:07:50.3
15680	M1O	04-007/11:17:33.6	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15681	M1O	04-007/11:17:34.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-007/11:07:51.3
15682	M1O	04-007/11:18:34.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15683	M1O	04-007/11:18:35.3		NOTE: ENTER HGA KEEP OUT ZONE		
15684	M1O	04-007/11:18:35.3	43	NOTE: Loss Of X-Band Signal		
15685	M1O	04-007/11:25:04.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
15686	M1O	04-007/11:25:33.7		NOTE: Enter Planetary Atmosphere 9158		04-007/11:15:50.4
15687	M1O	04-007/11:27:11.0		NOTE: North Pole Crossing 9158		04-007/11:17:27.7
15688	M1O	04-007/11:27:17.8		NOTE: Enter Earth Occultation 9158		04-007/11:17:34.5
15689	M1O	04-007/11:29:26.2		NOTE: Apoapsis 9158 -		04-007/11:19:42.8
15690	M1O	04-007/11:30:04.0	43	Range Modulation On: SUP=3.0dB		
15691	M1O	04-007/11:31:04.0	43	Begin Ranging Acquisition		
15692	M1O	04-007/11:35:55.3		NOTE: EXIT HGA KEEP OUT ZONE		
15693	M1O	04-007/11:43:57.7		NOTE: Exit Earth Occultation 9158		04-007/11:34:14.3
15694	M1O	04-007/11:43:57.7	43	Acquisition Of X-Band Signal		
15695	M1O	04-007/11:43:57.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15696	M1O	04-007/11:44:30.7	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15697	M1O	04-007/11:45:42.9		NOTE: Exit Planetary Atmosphere 9158		04-007/11:35:59.4
15698	M1O	04-007/11:49:29.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-007/11:39:46.3
15699	M1O	04-007/11:49:29.7	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15700	M1O	04-007/11:49:30.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-007/11:39:47.3
15701	M1O	04-007/11:57:12.0		NOTE: Descending Node Crossing 9159		04-007/11:47:28.6
15702	M1O	04-007/12:10:32.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
15703	M1O	04-007/12:20:32.0	43	Range Modulation Off		
15704	M1O	04-007/12:25:32.0	43	X-Band Transmitter Off		
15705	M1O	04-007/12:25:32.8	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
15706	M1O	04-007/12:26:32.3		NOTE: South Pole Crossing 9159		04-007/12:16:48.7
15707	M1O	04-007/12:28:12.0		NOTE: Periapsis 9159 ----------		04-007/12:18:28.4
15708	M1O	04-007/12:36:48.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-007/12:27:05.0
15709	M1O	04-007/12:37:04.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-005T12:27:05.100, 2004-007T12:27:05.100	PCKTS_RE_TX_TIME	04-007/12:27:20.8
15710	M1O	04-007/12:37:05.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-005T12:27:05.100, 2004-007T12:27:05.100	PCKTS_RE_TX_TIME	04-007/12:27:21.8
15711	M1O	04-007/12:37:06.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-005T12:27:05.100, 2004-007T12:27:05.100	PCKTS_RE_TX_TIME	04-007/12:27:22.8
15712	M1O	04-007/12:37:07.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-005T12:27:05.100, 2004-007T12:27:05.100	PCKTS_RE_TX_TIME	04-007/12:27:23.8
15713	M1O	04-007/12:37:08.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-005T12:27:05.100, 2004-007T12:27:05.100	PCKTS_RE_TX_TIME	04-007/12:27:24.8
15714	M1O	04-007/12:37:09.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-005T12:27:05.100, 2004-007T12:27:05.100	PCKTS_RE_TX_TIME	04-007/12:27:25.8
15715	M1O	04-007/12:37:09.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-007/12:27:25.8
15716	M1O	04-007/12:37:09.3	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15717	M1O	04-007/12:40:32.0	43	NOTE: Below Uplink Interlock Limit		
15718	M1O	04-007/12:44:10.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/12:34:26.8
15719	M1O	04-007/12:44:10.3	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15720	M1O	04-007/12:44:11.3		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-007/12:34:27.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
15721	M1O	04-007/12:44:27.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-007/12:34:43.8
15722	M1O	04-007/12:44:27.3	43	D/L RF Warning: SC antenna change - expect signal level variation		
15723	M1O	04-007/12:44:28.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-007/12:34:44.8
15724	M1O	04-007/12:44:59.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15725	M1O	04-007/12:45:00.0	43	End Tracking		
15726	M1O	04-007/12:54:35.3		NOTE: Enter Solar Eclipse 9159		04-007/12:44:51.7
15727	M1O	04-007/12:55:48.3		NOTE: Ascending Node Crossing 9159		04-007/12:46:04.7
15728	M1O	04-007/13:00:00.0	43	End Post-Cal		
15729	M1O	04-007/13:15:02.4		NOTE: Exit Solar Eclipse 9159		04-007/13:05:18.7
15730	M1O	04-007/13:17:11.7		NOTE: ENTER HGA KEEP OUT ZONE		
15731	M1O	04-007/13:24:04.3		NOTE: Enter Planetary Atmosphere 9159		04-007/13:14:20.6
15732	M1O	04-007/13:25:45.2		NOTE: North Pole Crossing 9159		04-007/13:16:01.4
15733	M1O	04-007/13:25:47.9		NOTE: Enter Earth Occultation 9159		04-007/13:16:04.1
15734	M1O	04-007/13:27:51.6		NOTE: Apoapsis 9159 -		04-007/13:18:07.9
15735	M1O	04-007/13:34:06.7		SPAWN, Engine = 65535, Parameters = 007, 03, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-007/13:24:23.0
15736	M1O	04-007/13:34:07.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-007/13:24:24.1
15737	M1O	04-007/13:34:09.8		CALL, Engine = , Parameters = 56	get_cmd_opt	04-007/13:24:26.1
15738	M1O	04-007/13:34:10.1		CALL, Engine = , Parameters = 007, 03, 056	bld_autosw	04-007/13:24:26.4
15739	M1O	04-007/13:34:11.2		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-007/13:24:27.5
15740	M1O	04-007/13:34:12.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/13:24:28.6
15741	M1O	04-007/13:34:13.3		Deletes the designated file.: d:/dat/056_doy007_pass03_file01.dat	FILE_DELETE	04-007/13:24:29.6
15742	M1O	04-007/13:34:14.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/13:24:30.7
15743	M1O	04-007/13:34:15.4		Deletes the designated file.: d:/dat/056_doy007_pass03_file02.dat	FILE_DELETE	04-007/13:24:31.7
15744	M1O	04-007/13:34:16.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/13:24:32.8
15745	M1O	04-007/13:34:17.5		Deletes the designated file.: d:/dat/056_doy007_pass03_file03.dat	FILE_DELETE	04-007/13:24:33.8
15746	M1O	04-007/13:34:18.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/13:24:34.9
15747	M1O	04-007/13:34:19.6		Deletes the designated file.: d:/dat/056_doy007_pass03_file04.dat	FILE_DELETE	04-007/13:24:35.9
15748	M1O	04-007/13:34:20.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/13:24:37.0
15749	M1O	04-007/13:34:21.7		Deletes the designated file.: d:/dat/056_doy007_pass03_file05.dat	FILE_DELETE	04-007/13:24:38.0
15750	M1O	04-007/13:34:22.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/13:24:39.1
15751	M1O	04-007/13:34:23.8		Deletes the designated file.: d:/dat/056_doy007_pass03_file06.dat	FILE_DELETE	04-007/13:24:40.1
15752	M1O	04-007/13:34:24.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/13:24:41.2
15753	M1O	04-007/13:34:25.9		Deletes the designated file.: d:/dat/056_doy007_pass03_file07.dat	FILE_DELETE	04-007/13:24:42.2
15754	M1O	04-007/13:34:27.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/13:24:43.3
15755	M1O	04-007/13:34:28.0		Deletes the designated file.: d:/dat/056_doy007_pass03_file08.dat	FILE_DELETE	04-007/13:24:44.3
15756	M1O	04-007/13:34:29.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/13:24:45.4
15757	M1O	04-007/13:34:30.1		Deletes the designated file.: d:/dat/056_doy007_pass03_file09.dat	FILE_DELETE	04-007/13:24:46.4
15758	M1O	04-007/13:34:31.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/13:24:47.5
15759	M1O	04-007/13:34:31.7		NOTE: EXIT HGA KEEP OUT ZONE		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15760	M1O	04-007/13:34:32.2		Deletes the designated file.: d:/dat/056_doy007_pass03_file10.dat	FILE_DELETE	04-007/13:24:48.5
15761	M1O	04-007/13:34:33.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/13:24:49.6
15762	M1O	04-007/13:34:34.3		Deletes the designated file.: d:/dat/056_doy007_pass03_file11.dat	FILE_DELETE	04-007/13:24:50.6
15763	M1O	04-007/13:34:35.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/13:24:51.7
15764	M1O	04-007/13:34:36.4		Deletes the designated file.: d:/dat/056_doy007_pass03_file12.dat	FILE_DELETE	04-007/13:24:52.7
15765	M1O	04-007/13:34:37.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/13:24:53.8
15766	M1O	04-007/13:34:38.5		Deletes the designated file.: d:/dat/056_doy007_pass03_file13.dat	FILE_DELETE	04-007/13:24:54.8
15767	M1O	04-007/13:34:39.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/13:24:55.9
15768	M1O	04-007/13:34:40.6		Deletes the designated file.: d:/dat/056_doy007_pass03_file14.dat	FILE_DELETE	04-007/13:24:56.9
15769	M1O	04-007/13:34:41.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/13:24:58.0
15770	M1O	04-007/13:34:42.7		Deletes the designated file.: d:/dat/056_doy007_pass03_file15.dat	FILE_DELETE	04-007/13:24:59.0
15771	M1O	04-007/13:34:43.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/13:25:00.1
15772	M1O	04-007/13:34:44.8		Deletes the designated file.: d:/dat/056_doy007_pass03_file16.dat	FILE_DELETE	04-007/13:25:01.1
15773	M1O	04-007/13:34:45.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/13:25:02.2
15774	M1O	04-007/13:34:46.9		Deletes the designated file.: d:/dat/056_doy007_pass03_file17.dat	FILE_DELETE	04-007/13:25:03.2
15775	M1O	04-007/13:34:48.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/13:25:04.3
15776	M1O	04-007/13:34:49.0		Deletes the designated file.: d:/dat/056_doy007_pass03_file18.dat	FILE_DELETE	04-007/13:25:05.3
15777	M1O	04-007/13:34:50.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/13:25:06.4
15778	M1O	04-007/13:34:51.1		Deletes the designated file.: d:/dat/056_doy007_pass03_file19.dat	FILE_DELETE	04-007/13:25:07.4
15779	M1O	04-007/13:34:52.1		CALL, Engine = , Parameters = 56	get_apid	04-007/13:25:08.4
15780	M1O	04-007/13:34:53.2		CALL, Engine = , Parameters = 56	get_rcv_mode	04-007/13:25:09.5
15781	M1O	04-007/13:34:53.4		CALL, Engine = , Parameters = 56	get_dl_rate	04-007/13:25:09.7
15782	M1O	04-007/13:34:54.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-007/13:25:10.8
15783	M1O	04-007/13:34:55.7		CALL, Engine = , Parameters = 56	get_coding	04-007/13:25:12.0
15784	M1O	04-007/13:34:56.9		CALL, Engine = , Parameters = 56	get_xmt_mode	04-007/13:25:13.2
15785	M1O	04-007/13:34:58.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-007/13:25:14.4
15786	M1O	04-007/13:36:02.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-007/13:26:19.2
15787	M1O	04-007/13:36:03.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-007/13:26:20.2
15788	M1O	04-007/13:36:04.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-007/13:26:21.2
15789	M1O	04-007/13:36:05.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-007/13:26:22.2
15790	M1O	04-007/13:36:06.9		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-007/13:26:23.2
15791	M1O	04-007/13:36:07.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-007/13:26:24.2
15792	M1O	04-007/13:36:08.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/13:26:25.2
15793	M1O	04-007/13:36:58.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/13:27:15.2
15794	M1O	04-007/13:37:08.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-007/13:27:25.2
15795	M1O	04-007/13:39:09.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/13:29:26.2
15796	M1O	04-007/13:39:10.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/13:29:27.2
15797	M1O	04-007/13:41:09.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/13:31:26.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15798	M1O	04-007/13:41:10.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/13:31:27.2
15799	M1O	04-007/13:42:34.4		NOTE: Exit Earth Occultation 9159		04-007/13:32:50.6
15800	M1O	04-007/13:43:09.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/13:33:26.2
15801	M1O	04-007/13:43:10.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/13:33:27.2
15802	M1O	04-007/13:44:19.1		NOTE: Exit Planetary Atmosphere 9159		04-007/13:34:35.3
15803	M1O	04-007/13:45:09.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/13:35:26.2
15804	M1O	04-007/13:45:10.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/13:35:27.2
15805	M1O	04-007/13:47:09.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/13:37:26.2
15806	M1O	04-007/13:47:10.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/13:37:27.2
15807	M1O	04-007/13:49:10.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/13:39:26.2
15808	M1O	04-007/13:49:11.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/13:39:27.2
15809	M1O	04-007/13:51:10.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/13:41:26.2
15810	M1O	04-007/13:51:11.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/13:41:27.2
15811	M1O	04-007/13:53:10.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/13:43:26.2
15812	M1O	04-007/13:53:11.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/13:43:27.2
15813	M1O	04-007/13:55:00.0	63	Begin Pre-Cal		
15814	M1O	04-007/13:55:00.0	63	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
15815	M1O	04-007/13:55:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
15816	M1O	04-007/13:55:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
15817	M1O	04-007/13:55:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
15818	M1O	04-007/13:55:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
15819	M1O	04-007/13:55:00.0	63	Config: RCV: Parms:		
15820	M1O	04-007/13:55:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
15821	M1O	04-007/13:55:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
15822	M1O	04-007/13:55:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
15823	M1O	04-007/13:55:10.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/13:45:26.2
15824	M1O	04-007/13:55:11.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/13:45:27.2
15825	M1O	04-007/13:55:45.8		NOTE: Descending Node Crossing 9160		04-007/13:46:02.0
15826	M1O	04-007/13:57:10.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/13:47:26.2
15827	M1O	04-007/13:57:11.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/13:47:27.2
15828	M1O	04-007/13:59:10.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/13:49:26.2
15829	M1O	04-007/13:59:11.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/13:49:27.2
15830	M1O	04-007/14:01:10.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/13:51:26.2
15831	M1O	04-007/14:01:11.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	04-007/13:51:27.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				BYPASS_COD, PSK		
15832	M1O	04-007/14:03:10.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/13:53:26.2
15833	M1O	04-007/14:03:11.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/13:53:27.2
15834	M1O	04-007/14:05:10.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/13:55:26.2
15835	M1O	04-007/14:05:11.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/13:55:27.2
15836	M1O	04-007/14:07:10.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/13:57:26.2
15837	M1O	04-007/14:07:11.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/13:57:27.2
15838	M1O	04-007/14:08:07.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/13:58:23.2
15839	M1O	04-007/14:08:08.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-007/13:58:24.3
15840	M1O	04-007/14:08:18.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-007/13:58:34.3
15841	M1O	04-007/14:08:19.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-007/13:58:35.3
15842	M1O	04-007/14:08:20.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-007/13:58:36.3
15843	M1O	04-007/14:08:21.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-007/13:58:37.3
15844	M1O	04-007/14:25:04.9		NOTE: South Pole Crossing 9160		04-007/14:15:21.0
15845	M1O	04-007/14:26:26.4		NOTE: Periapsis 9160 ----------		04-007/14:16:42.5
15846	M1O	04-007/14:53:07.1		NOTE: Enter Solar Eclipse 9160		04-007/14:43:23.1
15847	M1O	04-007/14:54:20.4		NOTE: Ascending Node Crossing 9160		04-007/14:44:36.4
15848	M1O	04-007/15:13:36.1		NOTE: Exit Solar Eclipse 9160		04-007/15:03:52.0
15849	M1O	04-007/15:15:46.0		NOTE: ENTER HGA KEEP OUT ZONE		
15850	M1O	04-007/15:22:32.1		NOTE: Enter Planetary Atmosphere 9160		04-007/15:12:48.1
15851	M1O	04-007/15:24:15.2		NOTE: Enter Earth Occultation 9160		04-007/15:14:31.1
15852	M1O	04-007/15:24:16.7		NOTE: North Pole Crossing 9160		04-007/15:14:32.6
15853	M1O	04-007/15:25:00.0	63	Begin Tracking		
15854	M1O	04-007/15:26:05.6		NOTE: Apoapsis 9160 -		04-007/15:16:21.5
15855	M1O	04-007/15:33:06.1		NOTE: EXIT HGA KEEP OUT ZONE		
15856	M1O	04-007/15:40:34.1		SPAWN, Engine = 65535, Parameters = 007, 04, TRUE, 00:12:43.289, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-007/15:30:50.0
15857	M1O	04-007/15:40:35.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-007/15:30:51.1
15858	M1O	04-007/15:40:37.2		CALL, Engine = , Parameters = 56	get_cmd_opt	04-007/15:30:53.1
15859	M1O	04-007/15:40:37.5		CALL, Engine = , Parameters = 007, 04, 056	bld_autosw	04-007/15:30:53.4
15860	M1O	04-007/15:40:38.6		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-007/15:30:54.5
15861	M1O	04-007/15:40:39.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/15:30:55.6
15862	M1O	04-007/15:40:40.7		Deletes the designated file.: d:/dat/056_doy007_pass04_file01.dat	FILE_DELETE	04-007/15:30:56.6
15863	M1O	04-007/15:40:41.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/15:30:57.7
15864	M1O	04-007/15:40:42.8		Deletes the designated file.: d:/dat/056_doy007_pass04_file02.dat	FILE_DELETE	04-007/15:30:58.7
15865	M1O	04-007/15:40:43.0		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-007/15:30:58.8
15866	M1O	04-007/15:40:43.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/15:30:58.9
15867	M1O	04-007/15:40:43.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/15:30:59.8
15868	M1O	04-007/15:40:44.1		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-007/15:30:59.9

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				d:/tlm/tlm_rate_nom.cfg		
15869	M1O	04-007/15:40:44.9		Deletes the designated file.: d:/dat/056_doy007_pass04_file03.dat	FILE_DELETE	04-007/15:31:00.8
15870	M1O	04-007/15:40:45.1		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-007/15:31:00.9
15871	M1O	04-007/15:40:46.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/15:31:01.9
15872	M1O	04-007/15:40:46.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-007/15:31:01.9
15873	M1O	04-007/15:40:47.0		Deletes the designated file.: d:/dat/056_doy007_pass04_file04.dat	FILE_DELETE	04-007/15:31:02.9
15874	M1O	04-007/15:40:47.1		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-007/15:31:02.9
15875	M1O	04-007/15:40:48.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/15:31:04.0
15876	M1O	04-007/15:40:49.1		Deletes the designated file.: d:/dat/056_doy007_pass04_file05.dat	FILE_DELETE	04-007/15:31:05.0
15877	M1O	04-007/15:40:50.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/15:31:06.1
15878	M1O	04-007/15:40:51.2		Deletes the designated file.: d:/dat/056_doy007_pass04_file06.dat	FILE_DELETE	04-007/15:31:07.1
15879	M1O	04-007/15:40:52.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/15:31:08.2
15880	M1O	04-007/15:40:53.3		Deletes the designated file.: d:/dat/056_doy007_pass04_file07.dat	FILE_DELETE	04-007/15:31:09.2
15881	M1O	04-007/15:40:54.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/15:31:10.3
15882	M1O	04-007/15:40:55.4		Deletes the designated file.: d:/dat/056_doy007_pass04_file08.dat	FILE_DELETE	04-007/15:31:11.3
15883	M1O	04-007/15:40:56.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/15:31:12.4
15884	M1O	04-007/15:40:57.1		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-007/15:31:12.9
15885	M1O	04-007/15:40:57.5		Deletes the designated file.: d:/dat/056_doy007_pass04_file09.dat	FILE_DELETE	04-007/15:31:13.4
15886	M1O	04-007/15:40:58.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/15:31:14.5
15887	M1O	04-007/15:40:59.6		Deletes the designated file.: d:/dat/056_doy007_pass04_file10.dat	FILE_DELETE	04-007/15:31:15.5
15888	M1O	04-007/15:41:00.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/15:31:16.6
15889	M1O	04-007/15:41:01.7		Deletes the designated file.: d:/dat/056_doy007_pass04_file11.dat	FILE_DELETE	04-007/15:31:17.6
15890	M1O	04-007/15:41:02.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/15:31:18.7
15891	M1O	04-007/15:41:03.8		Deletes the designated file.: d:/dat/056_doy007_pass04_file12.dat	FILE_DELETE	04-007/15:31:19.7
15892	M1O	04-007/15:41:04.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/15:31:20.8
15893	M1O	04-007/15:41:05.9		Deletes the designated file.: d:/dat/056_doy007_pass04_file13.dat	FILE_DELETE	04-007/15:31:21.8
15894	M1O	04-007/15:41:07.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/15:31:22.9
15895	M1O	04-007/15:41:07.1		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-007/15:31:22.9
15896	M1O	04-007/15:41:08.0		NOTE: Exit Earth Occultation 9160		04-007/15:31:23.8
15897	M1O	04-007/15:41:08.0	63	Acquisition Of X-Band Signal		
15898	M1O	04-007/15:41:08.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15899	M1O	04-007/15:41:08.0		Deletes the designated file.: d:/dat/056_doy007_pass04_file14.dat	FILE_DELETE	04-007/15:31:23.9
15900	M1O	04-007/15:41:09.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/15:31:25.0
15901	M1O	04-007/15:41:10.1		Deletes the designated file.: d:/dat/056_doy007_pass04_file15.dat	FILE_DELETE	04-007/15:31:26.0
15902	M1O	04-007/15:41:11.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/15:31:27.1
15903	M1O	04-007/15:41:12.2		Deletes the designated file.: d:/dat/056_doy007_pass04_file16.dat	FILE_DELETE	04-007/15:31:28.1
15904	M1O	04-007/15:41:13.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/15:31:29.2
15905	M1O	04-007/15:41:14.3		Deletes the designated file.: d:/dat/056_doy007_pass04_file17.dat	FILE_DELETE	04-007/15:31:30.2

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15906	M1O	04-007/15:41:15.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/15:31:31.3
15907	M1O	04-007/15:41:16.4		Deletes the designated file.: d:/dat/056_doy007_pass04_file18.dat	FILE_DELETE	04-007/15:31:32.3
15908	M1O	04-007/15:41:17.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/15:31:33.4
15909	M1O	04-007/15:41:18.5		Deletes the designated file.: d:/dat/056_doy007_pass04_file19.dat	FILE_DELETE	04-007/15:31:34.4
15910	M1O	04-007/15:41:19.5		CALL, Engine = , Parameters = 56	get_apid	04-007/15:31:35.4
15911	M1O	04-007/15:41:20.6		CALL, Engine = , Parameters = 56	get_rcv_mode	04-007/15:31:36.5
15912	M1O	04-007/15:41:20.8		CALL, Engine = , Parameters = 56	get_dl_rate	04-007/15:31:36.7
15913	M1O	04-007/15:41:21.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-007/15:31:37.8
15914	M1O	04-007/15:41:23.1		CALL, Engine = , Parameters = 56	get_coding	04-007/15:31:39.0
15915	M1O	04-007/15:41:24.3		CALL, Engine = , Parameters = 56	get_xmt_mode	04-007/15:31:40.2
15916	M1O	04-007/15:41:25.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-007/15:31:41.4
15917	M1O	04-007/15:42:30.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-007/15:32:46.2
15918	M1O	04-007/15:42:31.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-007/15:32:47.2
15919	M1O	04-007/15:42:32.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-007/15:32:48.2
15920	M1O	04-007/15:42:33.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-007/15:32:49.2
15921	M1O	04-007/15:42:34.3		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-007/15:32:50.2
15922	M1O	04-007/15:42:35.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-007/15:32:51.2
15923	M1O	04-007/15:42:36.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/15:32:52.2
15924	M1O	04-007/15:42:52.1		NOTE: Exit Planetary Atmosphere 9160		04-007/15:33:07.9
15925	M1O	04-007/15:43:26.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/15:33:42.2
15926	M1O	04-007/15:43:36.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-007/15:33:52.2
15927	M1O	04-007/15:45:37.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/15:35:53.2
15928	M1O	04-007/15:45:38.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/15:35:54.2
15929	M1O	04-007/15:46:07.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-007/15:36:22.9
15930	M1O	04-007/15:46:08.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-007/15:36:23.9
15931	M1O	04-007/15:46:08.1	63	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15932	M1O	04-007/15:46:09.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/15:36:24.9
15933	M1O	04-007/15:46:09.0	63	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15934	M1O	04-007/15:46:09.1		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-007/15:36:24.9
15935	M1O	04-007/15:47:37.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/15:37:53.2
15936	M1O	04-007/15:47:38.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/15:37:54.2
15937	M1O	04-007/15:49:37.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/15:39:53.2
15938	M1O	04-007/15:49:38.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/15:39:54.2
15939	M1O	04-007/15:51:37.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/15:41:53.2
15940	M1O	04-007/15:51:38.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/15:41:54.2
15941	M1O	04-007/15:53:37.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/15:43:53.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15942	M1O	04-007/15:53:38.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/15:43:54.2
15943	M1O	04-007/15:54:16.3		NOTE: Descending Node Crossing 9161		04-007/15:44:32.1
15944	M1O	04-007/15:55:17.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/15:45:33.4
15945	M1O	04-007/15:55:18.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-007/15:45:34.5
15946	M1O	04-007/15:55:28.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-007/15:45:44.5
15947	M1O	04-007/15:55:29.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-007/15:45:45.5
15948	M1O	04-007/15:55:30.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-007/15:45:46.5
15949	M1O	04-007/15:55:30.7	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15950	M1O	04-007/15:55:31.7		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-007/15:45:47.5
15951	M1O	04-007/16:00:30.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-007/15:50:46.2
15952	M1O	04-007/16:00:30.4	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15953	M1O	04-007/16:23:35.6		NOTE: South Pole Crossing 9161		04-007/16:13:51.3
15954	M1O	04-007/16:24:42.8		NOTE: Periapsis 9161 ----------		04-007/16:14:58.5
15955	M1O	04-007/16:51:40.0		NOTE: Enter Solar Eclipse 9161		04-007/16:41:55.6
15956	M1O	04-007/16:52:52.0		NOTE: Ascending Node Crossing 9161		04-007/16:43:07.6
15957	M1O	04-007/17:12:05.1		NOTE: Exit Solar Eclipse 9161		04-007/17:02:20.6
15958	M1O	04-007/17:13:14.4		SPAWN, Engine = 65535, Parameters = 3, 00:31:19.457, 1	dpt	04-007/17:03:30.0
15959	M1O	04-007/17:13:16.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/17:03:32.1
15960	M1O	04-007/17:13:16.5	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15961	M1O	04-007/17:13:17.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-007/17:03:33.1
15962	M1O	04-007/17:14:16.4		NOTE: ENTER HGA KEEP OUT ZONE		
15963	M1O	04-007/17:14:16.4	63	NOTE: Loss Of X-Band Signal		
15964	M1O	04-007/17:21:06.7		NOTE: Enter Planetary Atmosphere 9161		04-007/17:11:22.3
15965	M1O	04-007/17:22:48.3		NOTE: North Pole Crossing 9161		04-007/17:13:03.8
15966	M1O	04-007/17:22:50.4		NOTE: Enter Earth Occultation 9161		04-007/17:13:06.0
15967	M1O	04-007/17:24:41.4		NOTE: Apoapsis 9161 -		04-007/17:14:56.9
15968	M1O	04-007/17:31:36.4		NOTE: EXIT HGA KEEP OUT ZONE		
15969	M1O	04-007/17:39:35.9		NOTE: Exit Earth Occultation 9161		04-007/17:29:51.4
15970	M1O	04-007/17:39:35.9	63	Acquisition Of X-Band Signal		
15971	M1O	04-007/17:39:35.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15972	M1O	04-007/17:41:20.7		NOTE: Exit Planetary Atmosphere 9161		04-007/17:31:36.2
15973	M1O	04-007/17:44:36.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-007/17:34:51.5
15974	M1O	04-007/17:44:36.0	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15975	M1O	04-007/17:44:37.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-007/17:34:52.5
15976	M1O	04-007/17:52:47.9		NOTE: Descending Node Crossing 9162		04-007/17:43:03.4
15977	M1O	04-007/18:22:08.0		NOTE: South Pole Crossing 9162		04-007/18:12:23.4
15978	M1O	04-007/18:23:16.1		NOTE: Periapsis 9162 ----------		04-007/18:13:31.4
15979	M1O	04-007/18:50:14.1		NOTE: Enter Solar Eclipse 9162		04-007/18:40:29.4
15980	M1O	04-007/18:51:25.3		NOTE: Ascending Node Crossing 9162		04-007/18:41:40.6
15981	M1O	04-007/19:10:33.1		NOTE: Exit Solar Eclipse 9162		04-007/19:00:48.3
15982	M1O	04-007/19:11:45.8		SPAWN, Engine = 65535, Parameters = 3, 00:31:16.706, 1	dpt	04-007/19:02:01.0
15983	M1O	04-007/19:11:47.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/19:02:03.1
15984	M1O	04-007/19:11:47.9	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15985	M1O	04-007/19:11:48.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-007/19:02:04.1
15986	M1O	04-007/19:12:47.8		NOTE: ENTER HGA KEEP OUT ZONE		
15987	M1O	04-007/19:12:47.8	63	NOTE: Loss Of X-Band Signal		
15988	M1O	04-007/19:19:48.9		NOTE: Enter Planetary Atmosphere 9162		04-007/19:10:04.0
15989	M1O	04-007/19:21:23.0		NOTE: North Pole Crossing 9162		04-007/19:11:38.2
15990	M1O	04-007/19:21:33.9		NOTE: Enter Earth Occultation 9162		04-007/19:11:49.1
15991	M1O	04-007/19:23:16.2		NOTE: Apoapsis 9162 -		04-007/19:13:31.3
15992	M1O	04-007/19:30:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
15993	M1O	04-007/19:30:07.8		NOTE: EXIT HGA KEEP OUT ZONE		
15994	M1O	04-007/19:35:00.0	63	Range Modulation On: SUP=3.0dB		
15995	M1O	04-007/19:36:00.0	63	Begin Ranging Acquisition		
15996	M1O	04-007/19:38:04.5		NOTE: Exit Earth Occultation 9162		04-007/19:28:19.7
15997	M1O	04-007/19:38:04.5	63	Acquisition Of X-Band Signal		
15998	M1O	04-007/19:38:04.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
15999	M1O	04-007/19:39:50.7		NOTE: Exit Planetary Atmosphere 9162		04-007/19:30:05.8
16000	M1O	04-007/19:43:04.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-007/19:33:19.8
16001	M1O	04-007/19:43:04.7	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16002	M1O	04-007/19:43:05.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-007/19:33:20.8
16003	M1O	04-007/19:48:27.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-007/19:38:42.4
16004	M1O	04-007/19:48:29.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/19:38:44.5
16005	M1O	04-007/19:48:29.5	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16006	M1O	04-007/19:48:30.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-007/19:38:45.5
16007	M1O	04-007/19:49:29.7	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16008	M1O	04-007/19:51:24.1		NOTE: Descending Node Crossing 9163		04-007/19:41:39.2
16009	M1O	04-007/19:54:29.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-007/19:44:44.5
16010	M1O	04-007/19:54:29.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16011	M1O	04-007/19:54:30.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-007/19:44:45.5
16012	M1O	04-007/20:20:44.2		NOTE: South Pole Crossing 9163		04-007/20:10:59.1
16013	M1O	04-007/20:21:56.8		NOTE: Periapsis 9163 ----------		04-007/20:12:11.8
16014	M1O	04-007/20:30:40.0		SPAWN, Engine = 65535, Parameters = 007, 03, TRUE, 00:19:11, 254, FALSE, 32_KPS, 00:05:00, 00:00:00	uhf	04-007/20:20:55.0
16015	M1O	04-007/20:30:40.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/20:20:55.5
16016	M1O	04-007/20:30:40.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16017	M1O	04-007/20:30:41.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-007/20:20:56.1
16018	M1O	04-007/20:30:43.1		CALL, Engine = , Parameters = 254	get_cmd_opt	04-007/20:20:58.1
16019	M1O	04-007/20:30:43.4		CALL, Engine = , Parameters = 007, 03, 254	bld_autosw	04-007/20:20:58.4
16020	M1O	04-007/20:30:44.5		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-007/20:20:59.5
16021	M1O	04-007/20:30:45.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/20:21:00.6
16022	M1O	04-007/20:30:46.6		Deletes the designated file.: d:/dat/254_doy007_pass03_file01.dat	FILE_DELETE	04-007/20:21:01.6
16023	M1O	04-007/20:30:47.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/20:21:02.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16024	M1O	04-007/20:30:48.7		Deletes the designated file.: d:/dat/254_doy007_pass03_file02.dat	FILE_DELETE	04-007/20:21:03.7
16025	M1O	04-007/20:30:49.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/20:21:04.8
16026	M1O	04-007/20:30:50.8		Deletes the designated file.: d:/dat/254_doy007_pass03_file03.dat	FILE_DELETE	04-007/20:21:05.8
16027	M1O	04-007/20:30:51.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/20:21:06.9
16028	M1O	04-007/20:30:52.9		Deletes the designated file.: d:/dat/254_doy007_pass03_file04.dat	FILE_DELETE	04-007/20:21:07.9
16029	M1O	04-007/20:30:54.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/20:21:09.0
16030	M1O	04-007/20:30:55.0		Deletes the designated file.: d:/dat/254_doy007_pass03_file05.dat	FILE_DELETE	04-007/20:21:10.0
16031	M1O	04-007/20:30:56.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/20:21:11.1
16032	M1O	04-007/20:30:57.1		Deletes the designated file.: d:/dat/254_doy007_pass03_file06.dat	FILE_DELETE	04-007/20:21:12.1
16033	M1O	04-007/20:30:58.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/20:21:13.2
16034	M1O	04-007/20:30:59.2		Deletes the designated file.: d:/dat/254_doy007_pass03_file07.dat	FILE_DELETE	04-007/20:21:14.2
16035	M1O	04-007/20:31:00.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/20:21:15.3
16036	M1O	04-007/20:31:01.3		Deletes the designated file.: d:/dat/254_doy007_pass03_file08.dat	FILE_DELETE	04-007/20:21:16.3
16037	M1O	04-007/20:31:02.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/20:21:17.4
16038	M1O	04-007/20:31:03.4		Deletes the designated file.: d:/dat/254_doy007_pass03_file09.dat	FILE_DELETE	04-007/20:21:18.4
16039	M1O	04-007/20:31:04.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/20:21:19.5
16040	M1O	04-007/20:31:05.5		Deletes the designated file.: d:/dat/254_doy007_pass03_file10.dat	FILE_DELETE	04-007/20:21:20.5
16041	M1O	04-007/20:31:06.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/20:21:21.6
16042	M1O	04-007/20:31:07.6		Deletes the designated file.: d:/dat/254_doy007_pass03_file11.dat	FILE_DELETE	04-007/20:21:22.6
16043	M1O	04-007/20:31:08.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/20:21:23.7
16044	M1O	04-007/20:31:09.7		Deletes the designated file.: d:/dat/254_doy007_pass03_file12.dat	FILE_DELETE	04-007/20:21:24.7
16045	M1O	04-007/20:31:10.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/20:21:25.8
16046	M1O	04-007/20:31:11.8		Deletes the designated file.: d:/dat/254_doy007_pass03_file13.dat	FILE_DELETE	04-007/20:21:26.8
16047	M1O	04-007/20:31:12.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/20:21:27.9
16048	M1O	04-007/20:31:13.9		Deletes the designated file.: d:/dat/254_doy007_pass03_file14.dat	FILE_DELETE	04-007/20:21:28.9
16049	M1O	04-007/20:31:15.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/20:21:30.0
16050	M1O	04-007/20:31:16.0		Deletes the designated file.: d:/dat/254_doy007_pass03_file15.dat	FILE_DELETE	04-007/20:21:31.0
16051	M1O	04-007/20:31:17.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/20:21:32.1
16052	M1O	04-007/20:31:18.1		Deletes the designated file.: d:/dat/254_doy007_pass03_file16.dat	FILE_DELETE	04-007/20:21:33.1
16053	M1O	04-007/20:31:19.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/20:21:34.2
16054	M1O	04-007/20:31:20.2		Deletes the designated file.: d:/dat/254_doy007_pass03_file17.dat	FILE_DELETE	04-007/20:21:35.2
16055	M1O	04-007/20:31:21.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/20:21:36.3
16056	M1O	04-007/20:31:22.3		Deletes the designated file.: d:/dat/254_doy007_pass03_file18.dat	FILE_DELETE	04-007/20:21:37.3
16057	M1O	04-007/20:31:23.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy007_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/20:21:38.4
16058	M1O	04-007/20:31:24.4		Deletes the designated file.: d:/dat/254_doy007_pass03_file19.dat	FILE_DELETE	04-007/20:21:39.4
16059	M1O	04-007/20:31:25.4		CALL, Engine = , Parameters = 254	get_apid	04-007/20:21:40.4
16060	M1O	04-007/20:31:26.5		CALL, Engine = , Parameters = 254	get_rcv_mode	04-007/20:21:41.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16061	M1O	04-007/20:31:26.7		CALL, Engine = , Parameters = 254	get_dl_rate	04-007/20:21:41.7
16062	M1O	04-007/20:31:27.8		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-007/20:21:42.8
16063	M1O	04-007/20:31:29.1		CALL, Engine = , Parameters = 254	get_coding	04-007/20:21:44.1
16064	M1O	04-007/20:31:30.3		CALL, Engine = , Parameters = 254	get_xmt_mode	04-007/20:21:45.3
16065	M1O	04-007/20:31:31.5		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-007/20:21:46.5
16066	M1O	04-007/20:32:36.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-007/20:22:51.3
16067	M1O	04-007/20:32:37.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-007/20:22:52.3
16068	M1O	04-007/20:32:38.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-007/20:22:53.3
16069	M1O	04-007/20:32:39.3		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-007/20:22:54.3
16070	M1O	04-007/20:32:40.3		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-007/20:22:55.3
16071	M1O	04-007/20:32:41.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-007/20:22:56.3
16072	M1O	04-007/20:32:42.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/20:22:57.3
16073	M1O	04-007/20:36:53.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
16074	M1O	04-007/20:37:32.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/20:27:47.3
16075	M1O	04-007/20:37:42.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-007/20:27:57.3
16076	M1O	04-007/20:46:53.0	63	Range Modulation Off		
16077	M1O	04-007/20:48:49.2		NOTE: Enter Solar Eclipse 9163		04-007/20:39:04.1
16078	M1O	04-007/20:50:01.1		NOTE: Ascending Node Crossing 9163		04-007/20:40:15.9
16079	M1O	04-007/20:51:51.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/20:42:06.3
16080	M1O	04-007/20:51:52.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-007/20:42:07.4
16081	M1O	04-007/20:51:53.0	63	X-Band Transmitter Off		
16082	M1O	04-007/20:52:02.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-007/20:42:17.4
16083	M1O	04-007/20:52:03.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-007/20:42:18.4
16084	M1O	04-007/20:52:04.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-007/20:42:19.4
16085	M1O	04-007/20:52:04.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16086	M1O	04-007/20:52:05.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-007/20:42:20.4
16087	M1O	04-007/20:57:04.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-007/20:47:19.0
16088	M1O	04-007/20:57:04.1	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16089	M1O	04-007/21:09:05.8		NOTE: Exit Solar Eclipse 9163		04-007/20:59:20.6
16090	M1O	04-007/21:10:20.6		SPAWN, Engine = 65535, Parameters = 3, 00:31:47, 1	dpt	04-007/21:00:35.4
16091	M1O	04-007/21:10:22.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/21:00:37.5
16092	M1O	04-007/21:10:22.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16093	M1O	04-007/21:10:23.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-007/21:00:38.5
16094	M1O	04-007/21:11:23.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16095	M1O	04-007/21:11:24.1		NOTE: ENTER HGA KEEP OUT ZONE		
16096	M1O	04-007/21:11:24.1	63	NOTE: Loss Of X-Band Signal		
16097	M1O	04-007/21:17:40.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16098	M1O	04-007/21:18:28.7		NOTE: Enter Planetary Atmosphere 9163		04-007/21:08:43.5
16099	M1O	04-007/21:19:59.4		NOTE: North Pole Crossing 9163		04-007/21:10:14.2
16100	M1O	04-007/21:20:14.3		NOTE: Enter Earth Occultation 9163		04-007/21:10:29.1
16101	M1O	04-007/21:21:44.7		NOTE: Apoapsis 9163 -		04-007/21:11:59.5
16102	M1O	04-007/21:22:40.0	63	Range Modulation On: SUP=3.0dB		
16103	M1O	04-007/21:23:40.0	63	Begin Ranging Acquisition		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16104	M1O	04-007/21:28:44.2		NOTE: EXIT HGA KEEP OUT ZONE		
16105	M1O	04-007/21:36:38.5		NOTE: Exit Earth Occultation 9163		04-007/21:26:53.3
16106	M1O	04-007/21:36:38.5	63	Acquisition Of X-Band Signal		
16107	M1O	04-007/21:36:38.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16108	M1O	04-007/21:37:10.3	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16109	M1O	04-007/21:38:25.3		NOTE: Exit Planetary Atmosphere 9163		04-007/21:28:40.0
16110	M1O	04-007/21:42:09.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-007/21:32:24.5
16111	M1O	04-007/21:42:09.8	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16112	M1O	04-007/21:42:10.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-007/21:32:25.5
16113	M1O	04-007/21:50:01.2		NOTE: Descending Node Crossing 9164		04-007/21:40:15.9
16114	M1O	04-007/22:00:00.0	14	Begin Pre-Cal		
16115	M1O	04-007/22:00:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
16116	M1O	04-007/22:00:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
16117	M1O	04-007/22:00:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
16118	M1O	04-007/22:00:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
16119	M1O	04-007/22:00:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
16120	M1O	04-007/22:00:00.0	14	Config: RCV: Parms:		
16121	M1O	04-007/22:00:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
16122	M1O	04-007/22:00:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
16123	M1O	04-007/22:00:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
16124	M1O	04-007/22:19:21.1		NOTE: South Pole Crossing 9164		04-007/22:09:35.7
16125	M1O	04-007/22:20:30.1		NOTE: Periapsis 9164 ----------		04-007/22:10:44.7
16126	M1O	04-007/22:33:43.4		SPAWN, Engine = 65535, Parameters = 007, 04, FALSE, 00:06:47.228, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-007/22:23:58.0
16127	M1O	04-007/22:33:44.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-007/22:23:59.1
16128	M1O	04-007/22:33:46.5		CALL, Engine = , Parameters = 254	get_cmd_opt	04-007/22:24:01.1
16129	M1O	04-007/22:34:28.7		CALL, Engine = , Parameters = 254	get_apid	04-007/22:24:43.3
16130	M1O	04-007/22:34:29.8		CALL, Engine = , Parameters = 254	get_rcv_mode	04-007/22:24:44.4
16131	M1O	04-007/22:34:30.0		CALL, Engine = , Parameters = 254	get_dl_rate	04-007/22:24:44.6
16132	M1O	04-007/22:34:31.1		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-007/22:24:45.7
16133	M1O	04-007/22:34:32.4		CALL, Engine = , Parameters = 254	get_coding	04-007/22:24:47.0
16134	M1O	04-007/22:34:33.6		CALL, Engine = , Parameters = 254	get_xmt_mode	04-007/22:24:48.2
16135	M1O	04-007/22:34:34.8		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-007/22:24:49.4
16136	M1O	04-007/22:35:30.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
16137	M1O	04-007/22:35:39.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-007/22:25:54.2
16138	M1O	04-007/22:35:40.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-007/22:25:55.2
16139	M1O	04-007/22:35:41.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-007/22:25:56.2
16140	M1O	04-007/22:35:42.6		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-007/22:25:57.2
16141	M1O	04-007/22:35:43.6		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-007/22:25:58.2
16142	M1O	04-007/22:35:44.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-007/22:25:59.2
16143	M1O	04-007/22:35:45.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/22:26:00.2
16144	M1O	04-007/22:42:28.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/22:32:43.4
16145	M1O	04-007/22:42:29.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-007/22:32:44.5
16146	M1O	04-007/22:42:39.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-007/22:32:54.5
16147	M1O	04-007/22:42:40.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-007/22:32:55.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16148	M1O	04-007/22:45:30.0	63	Range Modulation Off		
16149	M1O	04-007/22:47:25.7		NOTE: Enter Solar Eclipse 9164		04-007/22:37:40.2
16150	M1O	04-007/22:48:37.8		NOTE: Ascending Node Crossing 9164		04-007/22:38:52.3
16151	M1O	04-007/22:50:30.0	63	X-Band Transmitter Off		
16152	M1O	04-007/23:07:42.6		NOTE: Exit Solar Eclipse 9164		04-007/22:57:57.1
16153	M1O	04-007/23:08:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:31:16.383, 1	dpt	04-007/22:59:12.4
16154	M1O	04-007/23:09:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-007/22:59:14.5
16155	M1O	04-007/23:09:00.1	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16156	M1O	04-007/23:09:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-007/22:59:15.5
16157	M1O	04-007/23:10:00.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16158	M1O	04-007/23:10:01.5		NOTE: ENTER HGA KEEP OUT ZONE		
16159	M1O	04-007/23:10:01.5	63	NOTE: Loss Of X-Band Signal		
16160	M1O	04-007/23:15:00.0	14	Begin Tracking		
16161	M1O	04-007/23:17:03.0		NOTE: Enter Planetary Atmosphere 9164		04-007/23:07:17.4
16162	M1O	04-007/23:18:35.7		NOTE: North Pole Crossing 9164		04-007/23:08:50.2
16163	M1O	04-007/23:18:48.3		NOTE: Enter Earth Occultation 9164		04-007/23:09:02.7
16164	M1O	04-007/23:20:06.0		NOTE: Apoapsis 9164 -		04-007/23:10:20.4
16165	M1O	04-007/23:24:05.0	63	NOTE: Below Uplink Interlock Limit		
16166	M1O	04-007/23:27:21.6		NOTE: EXIT HGA KEEP OUT ZONE		
16167	M1O	04-007/23:35:00.0	63	End Tracking		
16168	M1O	04-007/23:35:16.5		NOTE: Exit Earth Occultation 9164		04-007/23:25:30.8
16169	M1O	04-007/23:35:16.5	14	Acquisition Of X-Band Signal		
16170	M1O	04-007/23:35:16.5	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16171	M1O	04-007/23:37:02.8		NOTE: Exit Planetary Atmosphere 9164		04-007/23:27:17.2
16172	M1O	04-007/23:40:16.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-007/23:30:30.9
16173	M1O	04-007/23:40:16.6	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16174	M1O	04-007/23:40:17.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-007/23:30:31.9
16175	M1O	04-007/23:48:36.8		NOTE: Descending Node Crossing 9165		04-007/23:38:51.2
16176	M1O	04-007/23:50:00.0	63	End Post-Cal		
16177	M1O	04-008/00:00:00.0		Light Time: OWLT = 09:45, RTLT = 19:31		
16178	M1O	04-008/00:00:00.0	24	Begin Pre-Cal		
16179	M1O	04-008/00:00:00.0	24	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
16180	M1O	04-008/00:00:00.0	24	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
16181	M1O	04-008/00:00:00.0	24	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
16182	M1O	04-008/00:00:00.0	24	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
16183	M1O	04-008/00:00:00.0	24	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
16184	M1O	04-008/00:00:00.0	24	Config: RCV: Parms:		
16185	M1O	04-008/00:00:00.0	24	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
16186	M1O	04-008/00:00:00.0	24	Config: TGC: BAND=X, SR=221200.000000		
16187	M1O	04-008/00:00:00.0	24	Config: TXL		
16188	M1O	04-008/00:00:00.0	24	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
16189	M1O	04-008/00:00:00.0	24	Config: CMD		
16190	M1O	04-008/00:00:00.0	24	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
16191	M1O	04-008/00:01:37.7		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-007/23:51:52.0
16192	M1O	04-008/00:01:37.8		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-007/23:51:52.1
16193	M1O	04-008/00:01:38.8		Forces a desaturation of the reaction wheels.	RW_DESAT	04-007/23:51:53.1
16194	M1O	04-008/00:05:00.7		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-007/23:55:15.0
16195	M1O	04-008/00:05:16.5		Queues in the retransmit buffer, by time range, designated packet from the specified	PCKTS_RE_TX_TIME	04-007/23:55:30.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 38, 2004-005T23:55:15.100, 2004-007T23:55:15.100		
16196	M1O	04-008/00:05:17.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-005T23:55:15.100, 2004-007T23:55:15.100	PCKTS_RE_TX_TIME	04-007/23:55:31.8
16197	M1O	04-008/00:05:18.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-005T23:55:15.100, 2004-007T23:55:15.100	PCKTS_RE_TX_TIME	04-007/23:55:32.8
16198	M1O	04-008/00:05:19.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-005T23:55:15.100, 2004-007T23:55:15.100	PCKTS_RE_TX_TIME	04-007/23:55:33.8
16199	M1O	04-008/00:05:20.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-005T23:55:15.100, 2004-007T23:55:15.100	PCKTS_RE_TX_TIME	04-007/23:55:34.8
16200	M1O	04-008/00:05:21.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-005T23:55:15.100, 2004-007T23:55:15.100	PCKTS_RE_TX_TIME	04-007/23:55:35.8
16201	M1O	04-008/00:05:21.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-007/23:55:35.8
16202	M1O	04-008/00:05:21.5	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16203	M1O	04-008/00:09:42.7		Loads the disignated sequence block from the file system.: 65535, d:/seq/cz503.abs	VM_LOAD	04-007/23:59:57.0
16204	M1O	04-008/00:09:45.7		Dummy command to mark beg/end of mini sequences: cz503a, 2004-015T00:00:02.000	START_MINI	04-008/00:00:00.0
16205	M1O	04-008/00:09:55.7		Deletes the designated file.: d:/seq/cz503.abs	FILE_DELETE	04-008/00:00:10.0
16206	M1O	04-008/00:12:22.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/00:02:36.8
16207	M1O	04-008/00:12:22.5	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16208	M1O	04-008/00:12:23.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-008/00:02:37.8
16209	M1O	04-008/00:12:39.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-008/00:02:53.8
16210	M1O	04-008/00:12:39.5	14	D/L RF Warning: SC antenna change - expect signal level variation		
16211	M1O	04-008/00:12:40.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-008/00:02:54.8
16212	M1O	04-008/00:13:08.8		CALL, Engine = , Parameters = FALSE	park_hga	04-008/00:03:23.1
16213	M1O	04-008/00:13:08.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/00:03:23.1
16214	M1O	04-008/00:13:09.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-008/00:03:24.1
16215	M1O	04-008/00:13:10.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-008/00:03:25.1
16216	M1O	04-008/00:13:10.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-008/00:03:25.1
16217	M1O	04-008/00:13:10.8		NOTE: START HGA PARK		
16218	M1O	04-008/00:13:10.8	14	NOTE: Loss Of X-Band Signal		
16219	M1O	04-008/00:13:11.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-008/00:03:26.1
16220	M1O	04-008/00:13:12.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-008/00:03:27.1
16221	M1O	04-008/00:17:42.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-008/00:07:57.1
16222	M1O	04-008/00:17:56.9		NOTE: South Pole Crossing 9165		04-008/00:08:11.1
16223	M1O	04-008/00:19:04.5		NOTE: Periapsis 9165 ----------		04-008/00:09:18.8
16224	M1O	04-008/00:21:12.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-008/00:11:27.1
16225	M1O	04-008/00:21:12.8		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-008/00:11:27.1
16226	M1O	04-008/00:45:00.0	24	Begin Tracking		
16227	M1O	04-008/00:45:22.8		SPAWN, Engine = 65535, Parameters = 008, 01, FALSE, 00:10:21.725, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-008/00:35:37.0
16228	M1O	04-008/00:45:23.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-008/00:35:38.1
16229	M1O	04-008/00:45:25.9		CALL, Engine = , Parameters = 56	get_cmd_opt	04-008/00:35:40.1
16230	M1O	04-008/00:46:01.4		NOTE: Enter Solar Eclipse 9165		04-008/00:36:15.6
16231	M1O	04-008/00:46:08.1		CALL, Engine = , Parameters = 56	get_apid	04-008/00:36:22.3
16232	M1O	04-008/00:46:09.2		CALL, Engine = , Parameters = 56	get_rcv_mode	04-008/00:36:23.4
16233	M1O	04-008/00:46:09.4		CALL, Engine = , Parameters = 56	get_dl_rate	04-008/00:36:23.6
16234	M1O	04-008/00:46:10.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-008/00:36:24.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16235	M1O	04-008/00:46:11.7		CALL, Engine = , Parameters = 56	get_coding	04-008/00:36:25.9
16236	M1O	04-008/00:46:12.9		CALL, Engine = , Parameters = 56	get_xmt_mode	04-008/00:36:27.1
16237	M1O	04-008/00:46:14.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-008/00:36:28.3
16238	M1O	04-008/00:47:13.6		NOTE: Ascending Node Crossing 9165		04-008/00:37:27.8
16239	M1O	04-008/00:47:18.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-008/00:37:33.1
16240	M1O	04-008/00:47:19.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-008/00:37:34.1
16241	M1O	04-008/00:47:20.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-008/00:37:35.1
16242	M1O	04-008/00:47:21.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-008/00:37:36.1
16243	M1O	04-008/00:47:22.9		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-008/00:37:37.1
16244	M1O	04-008/00:47:23.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-008/00:37:38.1
16245	M1O	04-008/00:47:24.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-008/00:37:39.1
16246	M1O	04-008/00:51:12.8		GV: GV_DESAT_ACTIVE = 1		04-008/00:41:27.0
16247	M1O	04-008/00:51:13.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-008/00:41:28.0
16248	M1O	04-008/00:51:13.8		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-008/00:41:28.0
16249	M1O	04-008/00:57:42.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-008/00:47:56.8
16250	M1O	04-008/00:57:43.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-008/00:47:57.9
16251	M1O	04-008/00:57:53.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-008/00:48:07.9
16252	M1O	04-008/00:57:54.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-008/00:48:08.9
16253	M1O	04-008/01:01:12.8		GV: GV_DESAT_ACTIVE = 0		04-008/00:51:27.0
16254	M1O	04-008/01:01:13.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-008/00:51:28.0
16255	M1O	04-008/01:01:14.8		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-008/00:51:29.0
16256	M1O	04-008/01:01:15.8		CALL, Engine = , Parameters =	unpark_hga	04-008/00:51:30.0
16257	M1O	04-008/01:01:15.8		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-008/00:51:30.0
16258	M1O	04-008/01:01:16.8		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-008/00:51:31.0
16259	M1O	04-008/01:05:46.9		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-008/00:56:01.0
16260	M1O	04-008/01:05:47.9		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-008/00:56:02.0
16261	M1O	04-008/01:06:21.2		NOTE: Exit Solar Eclipse 9165		04-008/00:56:35.3
16262	M1O	04-008/01:08:36.9		NOTE: ENTER HGA KEEP OUT ZONE		
16263	M1O	04-008/01:09:47.9		NOTE: EXIT HGA PARK		
16264	M1O	04-008/01:14:55.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16265	M1O	04-008/01:15:31.8		NOTE: Enter Planetary Atmosphere 9165		04-008/01:05:45.9
16266	M1O	04-008/01:17:10.4		NOTE: North Pole Crossing 9165		04-008/01:07:24.5
16267	M1O	04-008/01:17:16.2		NOTE: Enter Earth Occultation 9165		04-008/01:07:30.2
16268	M1O	04-008/01:18:36.8		NOTE: Apoapsis 9165 -		04-008/01:08:50.8
16269	M1O	04-008/01:19:55.0	24	Range Modulation On: SUP=3.0dB		
16270	M1O	04-008/01:20:55.0	24	Begin Ranging Acquisition		
16271	M1O	04-008/01:25:56.9		NOTE: EXIT HGA KEEP OUT ZONE		
16272	M1O	04-008/01:33:29.7		SPAWN, Engine = 65535, Parameters = 00:05:31.848	cstr	04-008/01:23:43.7
16273	M1O	04-008/01:33:29.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/01:23:43.8
16274	M1O	04-008/01:33:30.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-008/01:23:44.8
16275	M1O	04-008/01:33:31.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-008/01:23:45.8
16276	M1O	04-008/01:33:32.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-008/01:23:46.8
16277	M1O	04-008/01:33:33.8		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry	XMIT_SELECT	04-008/01:23:47.8

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				when transmitting through the x-band.: HGA		
16278	M1O	04-008/01:33:43.8		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-008/01:23:57.8
16279	M1O	04-008/01:33:53.8		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-008/01:24:07.8
16280	M1O	04-008/01:33:54.7		NOTE: Exit Earth Occultation 9165		04-008/01:24:08.7
16281	M1O	04-008/01:33:54.7	14	Acquisition Of X-Band Signal		
16282	M1O	04-008/01:33:54.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16283	M1O	04-008/01:33:54.7	24	Acquisition Of X-Band Signal		
16284	M1O	04-008/01:33:54.7	24	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16285	M1O	04-008/01:34:26.8	14	Acquire D/L: X/08, 3-Way/24, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16286	M1O	04-008/01:34:26.8	24	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16287	M1O	04-008/01:35:40.1		NOTE: Exit Planetary Atmosphere 9165		04-008/01:25:54.1
16288	M1O	04-008/01:39:25.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-008/01:29:39.7
16289	M1O	04-008/01:39:26.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-008/01:29:40.7
16290	M1O	04-008/01:39:26.7	14	D/L Change: X/08, 3-Way/24, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16291	M1O	04-008/01:39:26.7	24	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16292	M1O	04-008/01:39:27.7		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-008/01:29:41.7
16293	M1O	04-008/01:47:10.1		NOTE: Descending Node Crossing 9166		04-008/01:37:24.1
16294	M1O	04-008/02:16:29.9		NOTE: South Pole Crossing 9166		04-008/02:06:43.7
16295	M1O	04-008/02:17:39.8		NOTE: Periapsis 9166 ----------		04-008/02:07:53.6
16296	M1O	04-008/02:31:19.1		SPAWN, Engine = 65535, Parameters = 008, 02, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-008/02:21:33.0
16297	M1O	04-008/02:31:19.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/02:21:33.5
16298	M1O	04-008/02:31:19.6	14	D/L Change: X/08, 3-Way/24, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16299	M1O	04-008/02:31:19.6	24	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16300	M1O	04-008/02:31:20.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-008/02:21:34.1
16301	M1O	04-008/02:31:22.2		CALL, Engine = , Parameters = 56	get_cmd_opt	04-008/02:21:36.1
16302	M1O	04-008/02:31:22.5		CALL, Engine = , Parameters = 008, 02, 056	bld_autosw	04-008/02:21:36.4
16303	M1O	04-008/02:31:23.6		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-008/02:21:37.5
16304	M1O	04-008/02:31:24.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/02:21:38.6
16305	M1O	04-008/02:31:25.7		Deletes the designated file.: d:/dat/056_doy008_pass02_file01.dat	FILE_DELETE	04-008/02:21:39.6
16306	M1O	04-008/02:31:26.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/02:21:40.7
16307	M1O	04-008/02:31:27.8		Deletes the designated file.: d:/dat/056_doy008_pass02_file02.dat	FILE_DELETE	04-008/02:21:41.7
16308	M1O	04-008/02:31:28.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/02:21:42.8
16309	M1O	04-008/02:31:29.9		Deletes the designated file.: d:/dat/056_doy008_pass02_file03.dat	FILE_DELETE	04-008/02:21:43.8
16310	M1O	04-008/02:31:31.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/02:21:44.9
16311	M1O	04-008/02:31:32.0		Deletes the designated file.: d:/dat/056_doy008_pass02_file04.dat	FILE_DELETE	04-008/02:21:45.9
16312	M1O	04-008/02:31:33.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/02:21:47.0
16313	M1O	04-008/02:31:34.1		Deletes the designated file.: d:/dat/056_doy008_pass02_file05.dat	FILE_DELETE	04-008/02:21:48.0

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16314	M1O	04-008/02:31:35.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/02:21:49.1
16315	M1O	04-008/02:31:36.2		Deletes the designated file.: d:/dat/056_doy008_pass02_file06.dat	FILE_DELETE	04-008/02:21:50.1
16316	M1O	04-008/02:31:37.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/02:21:51.2
16317	M1O	04-008/02:31:38.3		Deletes the designated file.: d:/dat/056_doy008_pass02_file07.dat	FILE_DELETE	04-008/02:21:52.2
16318	M1O	04-008/02:31:39.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/02:21:53.3
16319	M1O	04-008/02:31:40.4		Deletes the designated file.: d:/dat/056_doy008_pass02_file08.dat	FILE_DELETE	04-008/02:21:54.3
16320	M1O	04-008/02:31:41.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/02:21:55.4
16321	M1O	04-008/02:31:42.5		Deletes the designated file.: d:/dat/056_doy008_pass02_file09.dat	FILE_DELETE	04-008/02:21:56.4
16322	M1O	04-008/02:31:43.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/02:21:57.5
16323	M1O	04-008/02:31:44.6		Deletes the designated file.: d:/dat/056_doy008_pass02_file10.dat	FILE_DELETE	04-008/02:21:58.5
16324	M1O	04-008/02:31:45.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/02:21:59.6
16325	M1O	04-008/02:31:46.7		Deletes the designated file.: d:/dat/056_doy008_pass02_file11.dat	FILE_DELETE	04-008/02:22:00.6
16326	M1O	04-008/02:31:47.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/02:22:01.7
16327	M1O	04-008/02:31:48.8		Deletes the designated file.: d:/dat/056_doy008_pass02_file12.dat	FILE_DELETE	04-008/02:22:02.7
16328	M1O	04-008/02:31:49.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/02:22:03.8
16329	M1O	04-008/02:31:50.9		Deletes the designated file.: d:/dat/056_doy008_pass02_file13.dat	FILE_DELETE	04-008/02:22:04.8
16330	M1O	04-008/02:31:52.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/02:22:05.9
16331	M1O	04-008/02:31:53.0		Deletes the designated file.: d:/dat/056_doy008_pass02_file14.dat	FILE_DELETE	04-008/02:22:06.9
16332	M1O	04-008/02:31:54.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/02:22:08.0
16333	M1O	04-008/02:31:55.1		Deletes the designated file.: d:/dat/056_doy008_pass02_file15.dat	FILE_DELETE	04-008/02:22:09.0
16334	M1O	04-008/02:31:56.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/02:22:10.1
16335	M1O	04-008/02:31:57.2		Deletes the designated file.: d:/dat/056_doy008_pass02_file16.dat	FILE_DELETE	04-008/02:22:11.1
16336	M1O	04-008/02:31:58.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/02:22:12.2
16337	M1O	04-008/02:31:59.3		Deletes the designated file.: d:/dat/056_doy008_pass02_file17.dat	FILE_DELETE	04-008/02:22:13.2
16338	M1O	04-008/02:32:00.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/02:22:14.3
16339	M1O	04-008/02:32:01.4		Deletes the designated file.: d:/dat/056_doy008_pass02_file18.dat	FILE_DELETE	04-008/02:22:15.3
16340	M1O	04-008/02:32:02.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/02:22:16.4
16341	M1O	04-008/02:32:03.5		Deletes the designated file.: d:/dat/056_doy008_pass02_file19.dat	FILE_DELETE	04-008/02:22:17.4
16342	M1O	04-008/02:32:04.5		CALL, Engine = , Parameters = 56	get_apid	04-008/02:22:18.4
16343	M1O	04-008/02:32:05.6		CALL, Engine = , Parameters = 56	get_rcv_mode	04-008/02:22:19.5
16344	M1O	04-008/02:32:05.8		CALL, Engine = , Parameters = 56	get_dl_rate	04-008/02:22:19.7
16345	M1O	04-008/02:32:06.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-008/02:22:20.8
16346	M1O	04-008/02:32:08.1		CALL, Engine = , Parameters = 56	get_coding	04-008/02:22:22.0
16347	M1O	04-008/02:32:09.3		CALL, Engine = , Parameters = 56	get_xmt_mode	04-008/02:22:23.2
16348	M1O	04-008/02:32:10.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-008/02:22:24.4
16349	M1O	04-008/02:32:37.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
16350	M1O	04-008/02:33:15.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-008/02:23:29.2
16351	M1O	04-008/02:33:16.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-008/02:23:30.2
16352	M1O	04-008/02:33:17.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-008/02:23:31.2
16353	M1O	04-008/02:33:18.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-008/02:23:32.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16354	M1O	04-008/02:33:19.3		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-008/02:23:33.2
16355	M1O	04-008/02:33:20.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-008/02:23:34.2
16356	M1O	04-008/02:33:21.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-008/02:23:35.2
16357	M1O	04-008/02:35:11.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/02:25:25.2
16358	M1O	04-008/02:35:21.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-008/02:25:35.2
16359	M1O	04-008/02:42:37.0	24	Range Modulation Off		
16360	M1O	04-008/02:44:33.5		NOTE: Enter Solar Eclipse 9166		04-008/02:34:47.3
16361	M1O	04-008/02:45:46.4		NOTE: Ascending Node Crossing 9166		04-008/02:36:00.2
16362	M1O	04-008/02:47:37.0	24	X-Band Transmitter Off		
16363	M1O	04-008/03:04:56.4		NOTE: Exit Solar Eclipse 9166		04-008/02:55:10.1
16364	M1O	04-008/03:05:19.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-008/02:55:33.2
16365	M1O	04-008/03:05:20.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-008/02:55:34.3
16366	M1O	04-008/03:05:30.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-008/02:55:44.3
16367	M1O	04-008/03:05:31.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-008/02:55:45.3
16368	M1O	04-008/03:05:32.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-008/02:55:46.3
16369	M1O	04-008/03:05:32.5	14	D/L Change: X/08, 3-Way/24, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16370	M1O	04-008/03:05:32.5	24	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16371	M1O	04-008/03:05:33.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-008/02:55:47.3
16372	M1O	04-008/03:06:06.8		SPAWN, Engine = 65535, Parameters = 3, 00:31:51, 1	dpt	04-008/02:56:20.6
16373	M1O	04-008/03:06:08.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/02:56:22.7
16374	M1O	04-008/03:06:09.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-008/02:56:23.7
16375	M1O	04-008/03:07:09.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16376	M1O	04-008/03:07:09.4	24	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16377	M1O	04-008/03:07:10.2		NOTE: ENTER HGA KEEP OUT ZONE		
16378	M1O	04-008/03:07:10.2	14	NOTE: Loss Of X-Band Signal		
16379	M1O	04-008/03:07:10.2	24	NOTE: Loss Of X-Band Signal		
16380	M1O	04-008/03:13:28.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16381	M1O	04-008/03:13:59.9		NOTE: Enter Planetary Atmosphere 9166		04-008/03:04:13.6
16382	M1O	04-008/03:15:42.5		NOTE: North Pole Crossing 9166		04-008/03:05:56.2
16383	M1O	04-008/03:15:43.7		NOTE: Enter Earth Occultation 9166		04-008/03:05:57.4
16384	M1O	04-008/03:17:22.2		NOTE: Apoapsis 9166 -		04-008/03:07:35.8
16385	M1O	04-008/03:18:28.0	24	Range Modulation On: SUP=3.0dB		
16386	M1O	04-008/03:19:28.0	24	Begin Ranging Acquisition		
16387	M1O	04-008/03:24:30.3		NOTE: EXIT HGA KEEP OUT ZONE		
16388	M1O	04-008/03:32:28.3		NOTE: Exit Earth Occultation 9166		04-008/03:22:41.9
16389	M1O	04-008/03:32:28.3	14	Acquisition Of X-Band Signal		
16390	M1O	04-008/03:32:28.3	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16391	M1O	04-008/03:32:28.3	24	Acquisition Of X-Band Signal		
16392	M1O	04-008/03:32:28.3	24	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16393	M1O	04-008/03:33:00.6	14	Acquire D/L: X/08, 3-Way/24, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
16394	M1O	04-008/03:33:00.6	24	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16395	M1O	04-008/03:34:13.2		NOTE: Exit Planetary Atmosphere 9166		04-008/03:24:26.8
16396	M1O	04-008/03:38:00.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-008/03:28:13.7
16397	M1O	04-008/03:38:00.0	14	D/L Change: X/08, 3-Way/24, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16398	M1O	04-008/03:38:00.0	24	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16399	M1O	04-008/03:38:01.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-008/03:28:14.7
16400	M1O	04-008/03:45:41.6		NOTE: Descending Node Crossing 9167		04-008/03:35:55.2
16401	M1O	04-008/04:15:00.4		NOTE: South Pole Crossing 9167		04-008/04:05:13.9
16402	M1O	04-008/04:16:01.9		NOTE: Periapsis 9167 ----------		04-008/04:06:15.4
16403	M1O	04-008/04:31:08.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
16404	M1O	04-008/04:41:08.0	24	Range Modulation Off		
16405	M1O	04-008/04:43:03.8		NOTE: Enter Solar Eclipse 9167		04-008/04:33:17.2
16406	M1O	04-008/04:44:16.4		NOTE: Ascending Node Crossing 9167		04-008/04:34:29.9
16407	M1O	04-008/04:46:08.0	24	X-Band Transmitter Off		
16408	M1O	04-008/04:48:58.8		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-008/04:39:12.2
16409	M1O	04-008/04:49:00.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/04:39:14.3
16410	M1O	04-008/04:49:00.9	14	D/L Change: X/08, 3-Way/24, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16411	M1O	04-008/04:49:00.9	24	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16412	M1O	04-008/04:49:01.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-008/04:39:15.3
16413	M1O	04-008/04:50:00.0	14	End Tracking		
16414	M1O	04-008/04:50:00.8		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-008/04:40:14.2
16415	M1O	04-008/04:50:00.8		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	04-008/04:40:14.2
16416	M1O	04-008/04:50:00.8	24	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16417	M1O	04-008/04:55:00.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-008/04:45:14.3
16418	M1O	04-008/04:55:00.9	24	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16419	M1O	04-008/04:55:01.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-008/04:45:15.3
16420	M1O	04-008/05:00:00.0	45	Begin Pre-Cal		
16421	M1O	04-008/05:00:00.0	45	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
16422	M1O	04-008/05:00:00.0	45	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
16423	M1O	04-008/05:00:00.0	45	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
16424	M1O	04-008/05:00:00.0	45	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
16425	M1O	04-008/05:00:00.0	45	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
16426	M1O	04-008/05:00:00.0	45	Config: RCV: Parms:		
16427	M1O	04-008/05:00:00.0	45	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
16428	M1O	04-008/05:00:00.0	45	Config: TGC: BAND=X, SR=79632.000000		
16429	M1O	04-008/05:00:00.0	45	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
16430	M1O	04-008/05:03:23.5		NOTE: Exit Solar Eclipse 9167		04-008/04:53:36.8
16431	M1O	04-008/05:04:38.2		SPAWN, Engine = 65535, Parameters = 3, 00:31:48, 1	dpt	04-008/04:54:51.6
16432	M1O	04-008/05:04:40.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/04:54:53.7
16433	M1O	04-008/05:04:40.3	24	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16434	M1O	04-008/05:04:41.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-008/04:54:54.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16435	M1O	04-008/05:05:00.0	14	End Post-Cal		
16436	M1O	04-008/05:05:41.1	24	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16437	M1O	04-008/05:05:41.6		NOTE: ENTER HGA KEEP OUT ZONE		
16438	M1O	04-008/05:05:41.6	24	NOTE: Loss Of X-Band Signal		
16439	M1O	04-008/05:11:56.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16440	M1O	04-008/05:12:34.5		NOTE: Enter Planetary Atmosphere 9167		04-008/05:02:47.8
16441	M1O	04-008/05:14:13.5		NOTE: North Pole Crossing 9167		04-008/05:04:26.8
16442	M1O	04-008/05:14:18.9		NOTE: Enter Earth Occultation 9167		04-008/05:04:32.2
16443	M1O	04-008/05:15:37.8		NOTE: Apoapsis 9167 -		04-008/05:05:51.1
16444	M1O	04-008/05:16:56.0	24	Range Modulation On: SUP=3.0dB		
16445	M1O	04-008/05:17:56.0	24	Begin Ranging Acquisition		
16446	M1O	04-008/05:23:01.7		NOTE: EXIT HGA KEEP OUT ZONE		
16447	M1O	04-008/05:30:56.6		NOTE: Exit Earth Occultation 9167		04-008/05:21:09.8
16448	M1O	04-008/05:30:56.6	24	Acquisition Of X-Band Signal		
16449	M1O	04-008/05:30:56.6	24	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16450	M1O	04-008/05:31:29.3	24	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16451	M1O	04-008/05:32:42.2		NOTE: Exit Planetary Atmosphere 9167		04-008/05:22:55.4
16452	M1O	04-008/05:36:28.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-008/05:26:41.7
16453	M1O	04-008/05:36:28.4	24	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16454	M1O	04-008/05:36:29.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-008/05:26:42.7
16455	M1O	04-008/05:44:13.4		NOTE: Descending Node Crossing 9168		04-008/05:34:26.6
16456	M1O	04-008/06:13:32.1		NOTE: South Pole Crossing 9168		04-008/06:03:45.3
16457	M1O	04-008/06:14:12.1		NOTE: Periapsis 9168 ----------		04-008/06:04:25.2
16458	M1O	04-008/06:25:00.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
16459	M1O	04-008/06:30:00.0	45	Begin Tracking		
16460	M1O	04-008/06:30:00.0	45	Acquire D/L: X/08, 3-Way/24, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16461	M1O	04-008/06:35:00.0	24	Range Modulation Off		
16462	M1O	04-008/06:40:00.0	24	X-Band Transmitter Off		
16463	M1O	04-008/06:40:26.0	24	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
16464	M1O	04-008/06:41:38.6		NOTE: Enter Solar Eclipse 9168		04-008/06:31:51.6
16465	M1O	04-008/06:42:48.9		NOTE: Ascending Node Crossing 9168		04-008/06:33:02.0
16466	M1O	04-008/06:54:12.0	24	NOTE: Below Uplink Interlock Limit		
16467	M1O	04-008/06:58:31.7		SPAWN, Engine = 65535, Parameters = 3, 00:35:51.243, 1	dpt	04-008/06:48:44.7
16468	M1O	04-008/06:58:33.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/06:48:46.8
16469	M1O	04-008/06:58:33.8	24	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16470	M1O	04-008/06:58:33.8	45	D/L Change: X/08, 3-Way/24, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16471	M1O	04-008/06:58:34.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-008/06:48:47.8
16472	M1O	04-008/06:59:33.9	24	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16473	M1O	04-008/06:59:33.9	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16474	M1O	04-008/07:00:00.0	24	End Tracking		
16475	M1O	04-008/07:01:50.6		NOTE: Exit Solar Eclipse 9168		04-008/06:52:03.6
16476	M1O	04-008/07:04:13.0		NOTE: ENTER HGA KEEP OUT ZONE		
16477	M1O	04-008/07:04:13.0	45	NOTE: Loss Of X-Band Signal		
16478	M1O	04-008/07:09:47.0		SPAWN, Engine = 65535, Parameters =	scdiag	04-008/07:00:00.0
16479	M1O	04-008/07:09:48.1		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-008/07:00:01.1
16480	M1O	04-008/07:09:49.1		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-008/07:00:02.1
16481	M1O	04-008/07:10:50.0		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-008/07:01:03.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16482	M1O	04-008/07:10:50.2		NOTE: Start Block fsw_diag		04-008/07:01:03.2
16483	M1O	04-008/07:10:51.2		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-008/07:01:04.2
16484	M1O	04-008/07:10:52.2		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	04-008/07:01:05.2
16485	M1O	04-008/07:11:03.2		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	04-008/07:01:16.2
16486	M1O	04-008/07:11:14.5		NOTE: Enter Planetary Atmosphere 9168		04-008/07:01:27.4
16487	M1O	04-008/07:11:33.2		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-008/07:01:46.2
16488	M1O	04-008/07:11:53.2		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-008/07:02:06.2
16489	M1O	04-008/07:12:03.2		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-008/07:02:16.2
16490	M1O	04-008/07:12:23.2		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-008/07:02:36.2
16491	M1O	04-008/07:12:33.2		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-008/07:02:46.2
16492	M1O	04-008/07:12:38.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-008/07:02:51.2
16493	M1O	04-008/07:12:43.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-008/07:02:56.2
16494	M1O	04-008/07:12:47.0		NOTE: North Pole Crossing 9168		04-008/07:03:00.0
16495	M1O	04-008/07:12:48.2		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-008/07:03:01.2
16496	M1O	04-008/07:12:53.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-008/07:03:06.2
16497	M1O	04-008/07:12:58.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-008/07:03:11.2
16498	M1O	04-008/07:13:00.0		NOTE: Enter Earth Occultation 9168		04-008/07:03:13.0
16499	M1O	04-008/07:13:38.2		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-008/07:03:51.2
16500	M1O	04-008/07:13:43.2		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-008/07:03:56.2
16501	M1O	04-008/07:13:48.2		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-008/07:04:01.2
16502	M1O	04-008/07:13:53.2		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-008/07:04:06.2
16503	M1O	04-008/07:13:53.4		NOTE: Apoapsis 9168 -		04-008/07:04:06.3
16504	M1O	04-008/07:13:58.2		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-008/07:04:11.2
16505	M1O	04-008/07:13:59.2		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-008/07:04:12.2
16506	M1O	04-008/07:14:00.2		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-008/07:04:13.2
16507	M1O	04-008/07:14:01.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-008/07:04:14.2
16508	M1O	04-008/07:14:12.2		NOTE: End Block fsw_diag.mod		04-008/07:04:25.2
16509	M1O	04-008/07:15:00.0	24	End Post-Cal		
16510	M1O	04-008/07:21:33.0		NOTE: EXIT HGA KEEP OUT ZONE		
16511	M1O	04-008/07:29:25.0		NOTE: Exit Earth Occultation 9168		04-008/07:19:37.9
16512	M1O	04-008/07:29:25.0	45	Acquisition Of X-Band Signal		
16513	M1O	04-008/07:29:25.0	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16514	M1O	04-008/07:31:11.8		NOTE: Exit Planetary Atmosphere 9168		04-008/07:21:24.7
16515	M1O	04-008/07:34:25.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-008/07:24:38.0
16516	M1O	04-008/07:34:25.1	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16517	M1O	04-008/07:34:26.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-008/07:24:39.0
16518	M1O	04-008/07:36:05.1		SPAWN, Engine = 65535, Parameters = 008, 01, FALSE, 00:14:33.971, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-008/07:26:18.0
16519	M1O	04-008/07:36:06.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-008/07:26:19.1
16520	M1O	04-008/07:36:08.2		CALL, Engine = , Parameters = 254	get_cmd_opt	04-008/07:26:21.1
16521	M1O	04-008/07:36:50.4		CALL, Engine = , Parameters = 254	get_apid	04-008/07:27:03.3
16522	M1O	04-008/07:36:51.5		CALL, Engine = , Parameters = 254	get_rcv_mode	04-008/07:27:04.4
16523	M1O	04-008/07:36:51.7		CALL, Engine = , Parameters = 254	get_dl_rate	04-008/07:27:04.6
16524	M1O	04-008/07:36:52.8		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-008/07:27:05.7
16525	M1O	04-008/07:36:54.1		CALL, Engine = , Parameters = 254	get_coding	04-008/07:27:07.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16526	M1O	04-008/07:36:55.3		CALL, Engine = , Parameters = 254	get_xmt_mode	04-008/07:27:08.2
16527	M1O	04-008/07:36:56.5		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-008/07:27:09.4
16528	M1O	04-008/07:38:01.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-008/07:28:14.2
16529	M1O	04-008/07:38:02.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-008/07:28:15.2
16530	M1O	04-008/07:38:03.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-008/07:28:16.2
16531	M1O	04-008/07:38:04.3		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-008/07:28:17.2
16532	M1O	04-008/07:38:05.3		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-008/07:28:18.2
16533	M1O	04-008/07:38:06.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-008/07:28:19.2
16534	M1O	04-008/07:38:07.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-008/07:28:20.2
16535	M1O	04-008/07:42:47.5		NOTE: Descending Node Crossing 9169		04-008/07:33:00.4
16536	M1O	04-008/07:52:37.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-008/07:42:50.1
16537	M1O	04-008/07:52:38.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-008/07:42:51.2
16538	M1O	04-008/07:52:48.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-008/07:43:01.2
16539	M1O	04-008/07:52:49.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-008/07:43:02.2
16540	M1O	04-008/08:12:07.7		NOTE: South Pole Crossing 9169		04-008/08:02:20.4
16541	M1O	04-008/08:12:58.6		NOTE: Periapsis 9169 ----------		04-008/08:03:11.4
16542	M1O	04-008/08:40:15.6		NOTE: Enter Solar Eclipse 9169		04-008/08:30:28.2
16543	M1O	04-008/08:41:25.5		NOTE: Ascending Node Crossing 9169		04-008/08:31:38.2
16544	M1O	04-008/09:00:24.9		NOTE: Exit Solar Eclipse 9169		04-008/08:50:37.5
16545	M1O	04-008/09:02:05.3		SPAWN, Engine = 65535, Parameters = 3, 00:30:50.327, 1	dpt	04-008/08:52:18.0
16546	M1O	04-008/09:02:07.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/08:52:20.1
16547	M1O	04-008/09:02:07.4	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16548	M1O	04-008/09:02:08.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-008/08:52:21.1
16549	M1O	04-008/09:03:07.3		NOTE: ENTER HGA KEEP OUT ZONE		
16550	M1O	04-008/09:03:07.3	45	NOTE: Loss Of X-Band Signal		
16551	M1O	04-008/09:09:52.6		NOTE: Enter Planetary Atmosphere 9169		04-008/09:00:05.2
16552	M1O	04-008/09:11:23.1		NOTE: North Pole Crossing 9169		04-008/09:01:35.7
16553	M1O	04-008/09:11:38.7		NOTE: Enter Earth Occultation 9169		04-008/09:01:51.3
16554	M1O	04-008/09:12:50.2		NOTE: Apoapsis 9169 -		04-008/09:03:02.8
16555	M1O	04-008/09:20:07.4		NOTE: EXIT HGA KEEP OUT ZONE		
16556	M1O	04-008/09:27:57.8		NOTE: Exit Earth Occultation 9169		04-008/09:18:10.3
16557	M1O	04-008/09:27:57.8	45	Acquisition Of X-Band Signal		
16558	M1O	04-008/09:27:57.8	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16559	M1O	04-008/09:29:45.0		NOTE: Exit Planetary Atmosphere 9169		04-008/09:19:57.5
16560	M1O	04-008/09:31:21.4		SPAWN, Engine = 65535, Parameters = 008, 02, TRUE, 00:18:27, 254, TRUE, 32_KPS, 00:05:00, 00:00:00	uhf	04-008/09:21:34.0
16561	M1O	04-008/09:31:22.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-008/09:21:35.1
16562	M1O	04-008/09:31:24.5		CALL, Engine = , Parameters = 254	get_cmd_opt	04-008/09:21:37.1
16563	M1O	04-008/09:31:24.8		CALL, Engine = , Parameters = 008, 02, 254	bld_autosw	04-008/09:21:37.4
16564	M1O	04-008/09:31:25.9		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-008/09:21:38.5
16565	M1O	04-008/09:31:27.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/09:21:39.6
16566	M1O	04-008/09:31:28.0		Deletes the designated file.: d:/dat/254_doy008_pass02_file01.dat	FILE_DELETE	04-008/09:21:40.6
16567	M1O	04-008/09:31:29.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/09:21:41.7
16568	M1O	04-008/09:31:30.1		Deletes the designated file.: d:/dat/254_doy008_pass02_file02.dat	FILE_DELETE	04-008/09:21:42.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16569	M1O	04-008/09:31:31.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/09:21:43.8
16570	M1O	04-008/09:31:32.2		Deletes the designated file.: d:/dat/254_doy008_pass02_file03.dat	FILE_DELETE	04-008/09:21:44.8
16571	M1O	04-008/09:31:33.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/09:21:45.9
16572	M1O	04-008/09:31:34.3		Deletes the designated file.: d:/dat/254_doy008_pass02_file04.dat	FILE_DELETE	04-008/09:21:46.9
16573	M1O	04-008/09:31:35.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/09:21:48.0
16574	M1O	04-008/09:31:36.4		Deletes the designated file.: d:/dat/254_doy008_pass02_file05.dat	FILE_DELETE	04-008/09:21:49.0
16575	M1O	04-008/09:31:37.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/09:21:50.1
16576	M1O	04-008/09:31:38.5		Deletes the designated file.: d:/dat/254_doy008_pass02_file06.dat	FILE_DELETE	04-008/09:21:51.1
16577	M1O	04-008/09:31:39.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/09:21:52.2
16578	M1O	04-008/09:31:40.6		Deletes the designated file.: d:/dat/254_doy008_pass02_file07.dat	FILE_DELETE	04-008/09:21:53.2
16579	M1O	04-008/09:31:41.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/09:21:54.3
16580	M1O	04-008/09:31:42.7		Deletes the designated file.: d:/dat/254_doy008_pass02_file08.dat	FILE_DELETE	04-008/09:21:55.3
16581	M1O	04-008/09:31:43.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/09:21:56.4
16582	M1O	04-008/09:31:44.8		Deletes the designated file.: d:/dat/254_doy008_pass02_file09.dat	FILE_DELETE	04-008/09:21:57.4
16583	M1O	04-008/09:31:45.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/09:21:58.5
16584	M1O	04-008/09:31:46.9		Deletes the designated file.: d:/dat/254_doy008_pass02_file10.dat	FILE_DELETE	04-008/09:21:59.5
16585	M1O	04-008/09:31:48.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/09:22:00.6
16586	M1O	04-008/09:31:49.0		Deletes the designated file.: d:/dat/254_doy008_pass02_file11.dat	FILE_DELETE	04-008/09:22:01.6
16587	M1O	04-008/09:31:50.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/09:22:02.7
16588	M1O	04-008/09:31:51.1		Deletes the designated file.: d:/dat/254_doy008_pass02_file12.dat	FILE_DELETE	04-008/09:22:03.7
16589	M1O	04-008/09:31:52.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/09:22:04.8
16590	M1O	04-008/09:31:53.2		Deletes the designated file.: d:/dat/254_doy008_pass02_file13.dat	FILE_DELETE	04-008/09:22:05.8
16591	M1O	04-008/09:31:54.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/09:22:06.9
16592	M1O	04-008/09:31:55.3		Deletes the designated file.: d:/dat/254_doy008_pass02_file14.dat	FILE_DELETE	04-008/09:22:07.9
16593	M1O	04-008/09:31:56.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/09:22:09.0
16594	M1O	04-008/09:31:57.4		Deletes the designated file.: d:/dat/254_doy008_pass02_file15.dat	FILE_DELETE	04-008/09:22:10.0
16595	M1O	04-008/09:31:58.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/09:22:11.1
16596	M1O	04-008/09:31:59.5		Deletes the designated file.: d:/dat/254_doy008_pass02_file16.dat	FILE_DELETE	04-008/09:22:12.1
16597	M1O	04-008/09:32:00.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/09:22:13.2
16598	M1O	04-008/09:32:01.6		Deletes the designated file.: d:/dat/254_doy008_pass02_file17.dat	FILE_DELETE	04-008/09:22:14.2
16599	M1O	04-008/09:32:02.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/09:22:15.3
16600	M1O	04-008/09:32:03.7		Deletes the designated file.: d:/dat/254_doy008_pass02_file18.dat	FILE_DELETE	04-008/09:22:16.3
16601	M1O	04-008/09:32:04.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/09:22:17.4
16602	M1O	04-008/09:32:05.8		Deletes the designated file.: d:/dat/254_doy008_pass02_file19.dat	FILE_DELETE	04-008/09:22:18.4
16603	M1O	04-008/09:32:06.8		CALL, Engine = , Parameters = 254	get_apid	04-008/09:22:19.4
16604	M1O	04-008/09:32:07.9		CALL, Engine = , Parameters = 254	get_rcv_mode	04-008/09:22:20.5
16605	M1O	04-008/09:32:08.1		CALL, Engine = , Parameters = 254	get_dl_rate	04-008/09:22:20.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16606	M1O	04-008/09:32:09.2		CALL, Engine = , Parameters = 254, TRUE	get_modulatn	04-008/09:22:21.8
16607	M1O	04-008/09:32:10.5		CALL, Engine = , Parameters = 254	get_coding	04-008/09:22:23.1
16608	M1O	04-008/09:32:11.7		CALL, Engine = , Parameters = 254	get_xmt_mode	04-008/09:22:24.3
16609	M1O	04-008/09:32:12.9		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-008/09:22:25.5
16610	M1O	04-008/09:32:57.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-008/09:23:10.4
16611	M1O	04-008/09:32:57.9	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16612	M1O	04-008/09:32:58.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/09:23:11.4
16613	M1O	04-008/09:32:58.8	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16614	M1O	04-008/09:32:58.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-008/09:23:11.4
16615	M1O	04-008/09:33:17.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-008/09:23:30.3
16616	M1O	04-008/09:33:18.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-008/09:23:31.3
16617	M1O	04-008/09:33:19.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-008/09:23:32.3
16618	M1O	04-008/09:33:20.7		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-008/09:23:33.3
16619	M1O	04-008/09:33:21.7		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-008/09:23:34.3
16620	M1O	04-008/09:33:22.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-008/09:23:35.3
16621	M1O	04-008/09:33:23.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-008/09:23:36.3
16622	M1O	04-008/09:33:24.7		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-008/09:23:37.3
16623	M1O	04-008/09:33:25.7		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-008/09:23:38.3
16624	M1O	04-008/09:38:13.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/09:28:26.3
16625	M1O	04-008/09:38:23.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-008/09:28:36.3
16626	M1O	04-008/09:41:23.7		NOTE: Descending Node Crossing 9170		04-008/09:31:36.2
16627	M1O	04-008/09:51:45.8		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-008/09:41:58.3
16628	M1O	04-008/09:51:46.8		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-008/09:41:59.3
16629	M1O	04-008/09:51:48.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-008/09:42:01.3
16630	M1O	04-008/09:51:49.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-008/09:42:02.4
16631	M1O	04-008/09:51:59.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-008/09:42:12.4
16632	M1O	04-008/09:52:00.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-008/09:42:13.4
16633	M1O	04-008/09:52:01.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-008/09:42:14.4
16634	M1O	04-008/09:52:01.9	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16635	M1O	04-008/09:52:02.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-008/09:42:15.4
16636	M1O	04-008/09:57:01.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-008/09:47:14.0
16637	M1O	04-008/09:57:01.5	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16638	M1O	04-008/10:10:44.6		NOTE: South Pole Crossing 9170		04-008/10:00:57.0
16639	M1O	04-008/10:12:01.0		NOTE: Periapsis 9170 ----------		04-008/10:02:13.4
16640	M1O	04-008/10:38:50.9		NOTE: Enter Solar Eclipse 9170		04-008/10:29:03.2
16641	M1O	04-008/10:40:02.4		NOTE: Ascending Node Crossing 9170		04-008/10:30:14.7
16642	M1O	04-008/10:59:01.7		NOTE: Exit Solar Eclipse 9170		04-008/10:49:14.0
16643	M1O	04-008/11:00:41.7		SPAWN, Engine = 65535, Parameters = 3, 00:30:48.889, 1	dpt	04-008/10:50:54.0
16644	M1O	04-008/11:00:43.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/10:50:56.1
16645	M1O	04-008/11:00:43.8	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16646	M1O	04-008/11:00:44.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-008/10:50:57.1
16647	M1O	04-008/11:01:43.7		NOTE: ENTER HGA KEEP OUT ZONE		
16648	M1O	04-008/11:01:43.7	45	NOTE: Loss Of X-Band Signal		
16649	M1O	04-008/11:08:28.7		NOTE: Enter Planetary Atmosphere 9170		04-008/10:58:41.0
16650	M1O	04-008/11:09:59.7		NOTE: North Pole Crossing 9170		04-008/11:00:11.9
16651	M1O	04-008/11:10:15.1		NOTE: Enter Earth Occultation 9170		04-008/11:00:27.3
16652	M1O	04-008/11:11:55.5		NOTE: Apoapsis 9170 -		04-008/11:02:07.7
16653	M1O	04-008/11:18:43.8		NOTE: EXIT HGA KEEP OUT ZONE		
16654	M1O	04-008/11:26:32.7		NOTE: Exit Earth Occultation 9170		04-008/11:16:44.8
16655	M1O	04-008/11:26:32.7	45	Acquisition Of X-Band Signal		
16656	M1O	04-008/11:26:32.7	45	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16657	M1O	04-008/11:28:20.0		NOTE: Exit Planetary Atmosphere 9170		04-008/11:18:32.2
16658	M1O	04-008/11:31:32.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-008/11:21:44.9
16659	M1O	04-008/11:31:32.8	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16660	M1O	04-008/11:31:33.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-008/11:21:45.9
16661	M1O	04-008/11:40:00.4		NOTE: Descending Node Crossing 9171		04-008/11:30:12.5
16662	M1O	04-008/12:09:20.9		NOTE: South Pole Crossing 9171		04-008/11:59:32.9
16663	M1O	04-008/12:10:51.4		NOTE: Periapsis 9171 ----------		04-008/12:01:03.4
16664	M1O	04-008/12:31:50.0		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-008/12:22:02.0
16665	M1O	04-008/12:32:05.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-006T12:22:02.100, 2004-008T12:22:02.100	PCKTS_RE_TX_TIME	04-008/12:22:17.8
16666	M1O	04-008/12:32:06.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-006T12:22:02.100, 2004-008T12:22:02.100	PCKTS_RE_TX_TIME	04-008/12:22:18.8
16667	M1O	04-008/12:32:07.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-006T12:22:02.100, 2004-008T12:22:02.100	PCKTS_RE_TX_TIME	04-008/12:22:19.8
16668	M1O	04-008/12:32:08.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-006T12:22:02.100, 2004-008T12:22:02.100	PCKTS_RE_TX_TIME	04-008/12:22:20.8
16669	M1O	04-008/12:32:09.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-006T12:22:02.100, 2004-008T12:22:02.100	PCKTS_RE_TX_TIME	04-008/12:22:21.8
16670	M1O	04-008/12:32:10.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-006T12:22:02.100, 2004-008T12:22:02.100	PCKTS_RE_TX_TIME	04-008/12:22:22.8
16671	M1O	04-008/12:32:10.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-008/12:22:22.8
16672	M1O	04-008/12:32:10.8	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16673	M1O	04-008/12:36:32.0	45	NOTE: Below Uplink Interlock Limit		
16674	M1O	04-008/12:37:24.0		NOTE: Enter Solar Eclipse 9171		04-008/12:27:35.9
16675	M1O	04-008/12:38:37.7		NOTE: Ascending Node Crossing 9171		04-008/12:28:49.6
16676	M1O	04-008/12:39:11.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/12:29:23.8
16677	M1O	04-008/12:39:11.8	45	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16678	M1O	04-008/12:39:12.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-008/12:29:24.8
16679	M1O	04-008/12:39:28.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-008/12:29:40.8
16680	M1O	04-008/12:39:28.8	45	D/L RF Warning: SC antenna change - expect signal level variation		
16681	M1O	04-008/12:39:29.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-008/12:29:41.8
16682	M1O	04-008/12:40:00.0	45	End Tracking		
16683	M1O	04-008/12:55:00.0	45	End Post-Cal		
16684	M1O	04-008/12:57:38.4		NOTE: Exit Solar Eclipse 9171		04-008/12:47:50.3
16685	M1O	04-008/13:00:20.1		NOTE: ENTER HGA KEEP OUT ZONE		
16686	M1O	04-008/13:07:01.4		NOTE: Enter Planetary Atmosphere 9171		04-008/12:57:13.3
16687	M1O	04-008/13:08:34.9		NOTE: North Pole Crossing 9171		04-008/12:58:46.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16688	M1O	04-008/13:08:47.3		NOTE: Enter Earth Occultation 9171		04-008/12:58:59.2
16689	M1O	04-008/13:10:33.1		NOTE: Apoapsis 9171 -		04-008/13:00:44.9
16690	M1O	04-008/13:17:00.1		NOTE: EXIT HGA KEEP OUT ZONE		
16691	M1O	04-008/13:25:09.6		NOTE: Exit Earth Occultation 9171		04-008/13:15:21.4
16692	M1O	04-008/13:25:56.2		SPAWN, Engine = 65535, Parameters = 008, 03, FALSE, 00:14:24.596, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-008/13:16:08.0
16693	M1O	04-008/13:25:57.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-008/13:16:09.1
16694	M1O	04-008/13:25:59.3		CALL, Engine = , Parameters = 56	get_cmd_opt	04-008/13:16:11.1
16695	M1O	04-008/13:26:41.5		CALL, Engine = , Parameters = 56	get_apid	04-008/13:16:53.3
16696	M1O	04-008/13:26:42.6		CALL, Engine = , Parameters = 56	get_rcv_mode	04-008/13:16:54.4
16697	M1O	04-008/13:26:42.8		CALL, Engine = , Parameters = 56	get_dl_rate	04-008/13:16:54.6
16698	M1O	04-008/13:26:43.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-008/13:16:55.7
16699	M1O	04-008/13:26:45.1		CALL, Engine = , Parameters = 56	get_coding	04-008/13:16:56.9
16700	M1O	04-008/13:26:46.3		CALL, Engine = , Parameters = 56	get_xmt_mode	04-008/13:16:58.1
16701	M1O	04-008/13:26:47.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-008/13:16:59.3
16702	M1O	04-008/13:26:56.6		NOTE: Exit Planetary Atmosphere 9171		04-008/13:17:08.4
16703	M1O	04-008/13:27:52.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-008/13:18:04.1
16704	M1O	04-008/13:27:53.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-008/13:18:05.1
16705	M1O	04-008/13:27:54.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-008/13:18:06.1
16706	M1O	04-008/13:27:55.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-008/13:18:07.1
16707	M1O	04-008/13:27:56.3		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-008/13:18:08.1
16708	M1O	04-008/13:27:57.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-008/13:18:09.1
16709	M1O	04-008/13:27:58.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-008/13:18:10.1
16710	M1O	04-008/13:38:35.6		NOTE: Descending Node Crossing 9172		04-008/13:28:47.4
16711	M1O	04-008/13:42:18.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-008/13:32:30.6
16712	M1O	04-008/13:42:20.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-008/13:32:31.7
16713	M1O	04-008/13:42:30.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-008/13:32:41.7
16714	M1O	04-008/13:42:31.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-008/13:32:42.7
16715	M1O	04-008/14:00:00.0	63	Begin Pre-Cal		
16716	M1O	04-008/14:00:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
16717	M1O	04-008/14:00:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
16718	M1O	04-008/14:00:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
16719	M1O	04-008/14:00:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
16720	M1O	04-008/14:00:00.0	63	At BOT: S/C Tlm Mode: BR=0.0, FL=10112, SC=375KHZ, MI=71.7		
16721	M1O	04-008/14:00:00.0	63	Config: RCV: Parms:		
16722	M1O	04-008/14:00:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
16723	M1O	04-008/14:00:00.0	63	Config: TGC: BAND=X, SR=0.000000		
16724	M1O	04-008/14:00:00.0	63	Config: TXL		
16725	M1O	04-008/14:00:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
16726	M1O	04-008/14:00:00.0	63	Config: CMD		
16727	M1O	04-008/14:00:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
16728	M1O	04-008/14:07:54.8		NOTE: South Pole Crossing 9172		04-008/13:58:06.5
16729	M1O	04-008/14:09:15.6		NOTE: Periapsis 9172 ----------		04-008/13:59:27.2
16730	M1O	04-008/14:35:55.5		NOTE: Enter Solar Eclipse 9172		04-008/14:26:07.1
16731	M1O	04-008/14:37:10.5		NOTE: Ascending Node Crossing 9172		04-008/14:27:22.0
16732	M1O	04-008/14:56:13.2		NOTE: Exit Solar Eclipse 9172		04-008/14:46:24.7
16733	M1O	04-008/14:58:55.5		NOTE: ENTER HGA KEEP OUT ZONE		
16734	M1O	04-008/15:05:30.1		NOTE: Enter Planetary Atmosphere 9172		04-008/14:55:41.5
16735	M1O	04-008/15:07:07.4		NOTE: North Pole Crossing 9172		04-008/14:57:18.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16736	M1O	04-008/15:07:15.3		NOTE: Enter Earth Occultation 9172		04-008/14:57:26.8
16737	M1O	04-008/15:08:47.1		NOTE: Apoapsis 9172 -		04-008/14:58:58.6
16738	M1O	04-008/15:14:47.5		SPAWN, Engine = 65535, Parameters = 008, 04, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-008/15:04:59.0
16739	M1O	04-008/15:14:48.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-008/15:05:00.1
16740	M1O	04-008/15:14:50.6		CALL, Engine = , Parameters = 56	get_cmd_opt	04-008/15:05:02.1
16741	M1O	04-008/15:14:50.9		CALL, Engine = , Parameters = 008, 04, 056	bld_autosw	04-008/15:05:02.4
16742	M1O	04-008/15:14:52.0		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-008/15:05:03.5
16743	M1O	04-008/15:14:53.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/15:05:04.6
16744	M1O	04-008/15:14:54.1		Deletes the designated file.: d:/dat/056_doy008_pass04_file01.dat	FILE_DELETE	04-008/15:05:05.6
16745	M1O	04-008/15:14:55.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/15:05:06.7
16746	M1O	04-008/15:14:56.2		Deletes the designated file.: d:/dat/056_doy008_pass04_file02.dat	FILE_DELETE	04-008/15:05:07.7
16747	M1O	04-008/15:14:57.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/15:05:08.8
16748	M1O	04-008/15:14:58.3		Deletes the designated file.: d:/dat/056_doy008_pass04_file03.dat	FILE_DELETE	04-008/15:05:09.8
16749	M1O	04-008/15:14:59.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/15:05:10.9
16750	M1O	04-008/15:15:00.4		Deletes the designated file.: d:/dat/056_doy008_pass04_file04.dat	FILE_DELETE	04-008/15:05:11.9
16751	M1O	04-008/15:15:01.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/15:05:13.0
16752	M1O	04-008/15:15:02.5		Deletes the designated file.: d:/dat/056_doy008_pass04_file05.dat	FILE_DELETE	04-008/15:05:14.0
16753	M1O	04-008/15:15:03.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/15:05:15.1
16754	M1O	04-008/15:15:04.6		Deletes the designated file.: d:/dat/056_doy008_pass04_file06.dat	FILE_DELETE	04-008/15:05:16.1
16755	M1O	04-008/15:15:05.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/15:05:17.2
16756	M1O	04-008/15:15:06.7		Deletes the designated file.: d:/dat/056_doy008_pass04_file07.dat	FILE_DELETE	04-008/15:05:18.2
16757	M1O	04-008/15:15:07.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/15:05:19.3
16758	M1O	04-008/15:15:08.8		Deletes the designated file.: d:/dat/056_doy008_pass04_file08.dat	FILE_DELETE	04-008/15:05:20.3
16759	M1O	04-008/15:15:09.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/15:05:21.4
16760	M1O	04-008/15:15:10.9		Deletes the designated file.: d:/dat/056_doy008_pass04_file09.dat	FILE_DELETE	04-008/15:05:22.4
16761	M1O	04-008/15:15:12.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/15:05:23.5
16762	M1O	04-008/15:15:13.0		Deletes the designated file.: d:/dat/056_doy008_pass04_file10.dat	FILE_DELETE	04-008/15:05:24.5
16763	M1O	04-008/15:15:14.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/15:05:25.6
16764	M1O	04-008/15:15:15.1		Deletes the designated file.: d:/dat/056_doy008_pass04_file11.dat	FILE_DELETE	04-008/15:05:26.6
16765	M1O	04-008/15:15:16.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/15:05:27.7
16766	M1O	04-008/15:15:17.2		Deletes the designated file.: d:/dat/056_doy008_pass04_file12.dat	FILE_DELETE	04-008/15:05:28.7
16767	M1O	04-008/15:15:18.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/15:05:29.8
16768	M1O	04-008/15:15:19.3		Deletes the designated file.: d:/dat/056_doy008_pass04_file13.dat	FILE_DELETE	04-008/15:05:30.8
16769	M1O	04-008/15:15:20.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/15:05:31.9
16770	M1O	04-008/15:15:21.4		Deletes the designated file.: d:/dat/056_doy008_pass04_file14.dat	FILE_DELETE	04-008/15:05:32.9
16771	M1O	04-008/15:15:22.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/15:05:34.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16772	M1O	04-008/15:15:23.5		Deletes the designated file.: d:/dat/056_doy008_pass04_file15.dat	FILE_DELETE	04-008/15:05:35.0
16773	M1O	04-008/15:15:24.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/15:05:36.1
16774	M1O	04-008/15:15:25.6		Deletes the designated file.: d:/dat/056_doy008_pass04_file16.dat	FILE_DELETE	04-008/15:05:37.1
16775	M1O	04-008/15:15:26.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/15:05:38.2
16776	M1O	04-008/15:15:27.7		Deletes the designated file.: d:/dat/056_doy008_pass04_file17.dat	FILE_DELETE	04-008/15:05:39.2
16777	M1O	04-008/15:15:28.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/15:05:40.3
16778	M1O	04-008/15:15:29.8		Deletes the designated file.: d:/dat/056_doy008_pass04_file18.dat	FILE_DELETE	04-008/15:05:41.3
16779	M1O	04-008/15:15:30.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy008_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/15:05:42.4
16780	M1O	04-008/15:15:31.9		Deletes the designated file.: d:/dat/056_doy008_pass04_file19.dat	FILE_DELETE	04-008/15:05:43.4
16781	M1O	04-008/15:15:32.9		CALL, Engine = , Parameters = 56	get_apid	04-008/15:05:44.4
16782	M1O	04-008/15:15:34.0		CALL, Engine = , Parameters = 56	get_rcv_mode	04-008/15:05:45.5
16783	M1O	04-008/15:15:34.2		CALL, Engine = , Parameters = 56	get_dl_rate	04-008/15:05:45.7
16784	M1O	04-008/15:15:35.3		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-008/15:05:46.8
16785	M1O	04-008/15:15:36.5		CALL, Engine = , Parameters = 56	get_coding	04-008/15:05:48.0
16786	M1O	04-008/15:15:37.7		CALL, Engine = , Parameters = 56	get_xmt_mode	04-008/15:05:49.2
16787	M1O	04-008/15:15:38.9		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-008/15:05:50.4
16788	M1O	04-008/15:15:55.5		NOTE: EXIT HGA KEEP OUT ZONE		
16789	M1O	04-008/15:16:43.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-008/15:06:55.2
16790	M1O	04-008/15:16:44.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-008/15:06:56.2
16791	M1O	04-008/15:16:45.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-008/15:06:57.2
16792	M1O	04-008/15:16:46.7		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-008/15:06:58.2
16793	M1O	04-008/15:16:47.7		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-008/15:06:59.2
16794	M1O	04-008/15:16:48.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-008/15:07:00.2
16795	M1O	04-008/15:16:49.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-008/15:07:01.2
16796	M1O	04-008/15:18:39.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/15:08:51.2
16797	M1O	04-008/15:18:49.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-008/15:09:01.2
16798	M1O	04-008/15:23:45.0		NOTE: Exit Earth Occultation 9172		04-008/15:13:56.4
16799	M1O	04-008/15:25:31.4		NOTE: Exit Planetary Atmosphere 9172		04-008/15:15:42.8
16800	M1O	04-008/15:29:35.6		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-008/15:19:47.0
16801	M1O	04-008/15:29:35.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/15:19:47.1
16802	M1O	04-008/15:29:36.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-008/15:19:48.1
16803	M1O	04-008/15:29:37.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-008/15:19:49.1
16804	M1O	04-008/15:29:38.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-008/15:19:50.1
16805	M1O	04-008/15:29:39.7		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-008/15:19:51.1
16806	M1O	04-008/15:29:49.7		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-008/15:20:01.1
16807	M1O	04-008/15:29:59.7		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-008/15:20:11.1
16808	M1O	04-008/15:30:00.0	63	Begin Tracking		
16809	M1O	04-008/15:30:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16810	M1O	04-008/15:30:00.6		NOTE: Changing to 70M downlink rate: 110600_BPS		04-008/15:20:12.0
16811	M1O	04-008/15:30:00.6		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	04-008/15:20:12.0
16812	M1O	04-008/15:30:00.6	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16813	M1O	04-008/15:31:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16814	M1O	04-008/15:34:59.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-008/15:25:11.1
16815	M1O	04-008/15:35:00.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-008/15:25:12.1
16816	M1O	04-008/15:35:00.7	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16817	M1O	04-008/15:35:01.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/15:25:13.1
16818	M1O	04-008/15:35:01.7	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16819	M1O	04-008/15:35:01.7		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-008/15:25:13.1
16820	M1O	04-008/15:36:00.0	63	Range Modulation On: SUP=3.0dB		
16821	M1O	04-008/15:37:00.0	63	Begin Ranging Acquisition		
16822	M1O	04-008/15:37:07.5		NOTE: Descending Node Crossing 9173		04-008/15:27:18.8
16823	M1O	04-008/15:48:47.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-008/15:38:59.2
16824	M1O	04-008/15:48:48.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-008/15:39:00.3
16825	M1O	04-008/15:48:58.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-008/15:39:10.3
16826	M1O	04-008/15:48:59.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-008/15:39:11.3
16827	M1O	04-008/15:49:00.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-008/15:39:12.3
16828	M1O	04-008/15:49:01.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-008/15:39:13.3
16829	M1O	04-008/15:49:34.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-008/15:39:45.8
16830	M1O	04-008/15:49:36.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/15:39:47.9
16831	M1O	04-008/15:49:37.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-008/15:39:48.9
16832	M1O	04-008/15:50:37.2	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16833	M1O	04-008/15:55:36.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-008/15:45:47.9
16834	M1O	04-008/15:55:36.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16835	M1O	04-008/15:55:37.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-008/15:45:48.9
16836	M1O	04-008/16:06:26.1		NOTE: South Pole Crossing 9173		04-008/15:56:37.4
16837	M1O	04-008/16:07:27.8		NOTE: Periapsis 9173 ----------		04-008/15:57:39.1
16838	M1O	04-008/16:22:30.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
16839	M1O	04-008/16:32:30.0	63	Range Modulation Off		
16840	M1O	04-008/16:34:27.8		NOTE: Enter Solar Eclipse 9173		04-008/16:24:39.0
16841	M1O	04-008/16:35:42.0		NOTE: Ascending Node Crossing 9173		04-008/16:25:53.2
16842	M1O	04-008/16:37:30.0	63	X-Band Transmitter Off		
16843	M1O	04-008/16:54:44.1		NOTE: Exit Solar Eclipse 9173		04-008/16:44:55.3
16844	M1O	04-008/16:56:04.7		SPAWN, Engine = 65535, Parameters = 3, 00:31:40, 1	dpt	04-008/16:46:15.8
16845	M1O	04-008/16:56:06.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/16:46:17.9
16846	M1O	04-008/16:56:06.8	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16847	M1O	04-008/16:56:07.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-008/16:46:18.9
16848	M1O	04-008/16:57:07.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16849	M1O	04-008/16:57:07.8		NOTE: ENTER HGA KEEP OUT ZONE		
16850	M1O	04-008/16:57:07.8	63	NOTE: Loss Of X-Band Signal		
16851	M1O	04-008/17:03:10.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16852	M1O	04-008/17:04:00.7		NOTE: Enter Planetary Atmosphere 9173		04-008/16:54:11.8
16853	M1O	04-008/17:05:38.5		NOTE: North Pole Crossing 9173		04-008/16:55:49.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16854	M1O	04-008/17:05:46.1		NOTE: Enter Earth Occultation 9173		04-008/16:55:57.2
16855	M1O	04-008/17:07:13.5		NOTE: Apoapsis 9173 -		04-008/16:57:24.6
16856	M1O	04-008/17:08:10.0	63	Range Modulation On: SUP=3.0dB		
16857	M1O	04-008/17:09:10.0	63	Begin Ranging Acquisition		
16858	M1O	04-008/17:14:27.9		NOTE: EXIT HGA KEEP OUT ZONE		
16859	M1O	04-008/17:22:14.9		NOTE: Exit Earth Occultation 9173		04-008/17:12:25.9
16860	M1O	04-008/17:22:14.9	63	Acquisition Of X-Band Signal		
16861	M1O	04-008/17:22:14.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16862	M1O	04-008/17:22:47.7	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16863	M1O	04-008/17:24:01.4		NOTE: Exit Planetary Atmosphere 9173		04-008/17:14:12.4
16864	M1O	04-008/17:27:46.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-008/17:17:57.9
16865	M1O	04-008/17:27:46.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16866	M1O	04-008/17:27:47.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-008/17:17:58.9
16867	M1O	04-008/17:35:37.9		NOTE: Descending Node Crossing 9174		04-008/17:25:48.9
16868	M1O	04-008/18:04:57.2		NOTE: South Pole Crossing 9174		04-008/17:55:08.1
16869	M1O	04-008/18:05:53.5		NOTE: Periapsis 9174 ----------		04-008/17:56:04.4
16870	M1O	04-008/18:21:19.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
16871	M1O	04-008/18:31:19.0	63	Range Modulation Off		
16872	M1O	04-008/18:33:01.2		NOTE: Enter Solar Eclipse 9174		04-008/18:23:12.0
16873	M1O	04-008/18:34:14.2		NOTE: Ascending Node Crossing 9174		04-008/18:24:25.0
16874	M1O	04-008/18:36:19.0	63	X-Band Transmitter Off		
16875	M1O	04-008/18:53:11.2		NOTE: Exit Solar Eclipse 9174		04-008/18:43:22.0
16876	M1O	04-008/18:54:55.2		SPAWN, Engine = 65535, Parameters = 3, 00:31:15, 1	dpt	04-008/18:45:05.9
16877	M1O	04-008/18:54:57.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/18:45:08.0
16878	M1O	04-008/18:54:57.3	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16879	M1O	04-008/18:54:58.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-008/18:45:09.0
16880	M1O	04-008/18:55:57.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16881	M1O	04-008/18:55:58.2		NOTE: ENTER HGA KEEP OUT ZONE		
16882	M1O	04-008/18:55:58.2	63	NOTE: Loss Of X-Band Signal		
16883	M1O	04-008/19:01:34.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16884	M1O	04-008/19:02:41.4		NOTE: Enter Planetary Atmosphere 9174		04-008/18:52:52.2
16885	M1O	04-008/19:04:11.8		NOTE: North Pole Crossing 9174		04-008/18:54:22.5
16886	M1O	04-008/19:04:28.3		NOTE: Enter Earth Occultation 9174		04-008/18:54:39.1
16887	M1O	04-008/19:05:53.5		NOTE: Apoapsis 9174 -		04-008/18:56:04.2
16888	M1O	04-008/19:06:34.0	63	Range Modulation On: SUP=3.0dB		
16889	M1O	04-008/19:07:34.0	63	Begin Ranging Acquisition		
16890	M1O	04-008/19:12:38.2		NOTE: EXIT HGA KEEP OUT ZONE		
16891	M1O	04-008/19:20:41.2		NOTE: Exit Earth Occultation 9174		04-008/19:10:51.9
16892	M1O	04-008/19:20:41.2	63	Acquisition Of X-Band Signal		
16893	M1O	04-008/19:20:41.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16894	M1O	04-008/19:21:12.5	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16895	M1O	04-008/19:22:29.2		NOTE: Exit Planetary Atmosphere 9174		04-008/19:12:39.9
16896	M1O	04-008/19:26:12.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-008/19:16:23.0
16897	M1O	04-008/19:26:12.4	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16898	M1O	04-008/19:26:13.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-008/19:16:24.0
16899	M1O	04-008/19:34:12.4		NOTE: Descending Node Crossing 9175		04-008/19:24:23.0
16900	M1O	04-008/20:03:32.0		NOTE: South Pole Crossing 9175		04-008/19:53:42.6
16901	M1O	04-008/20:04:35.0		NOTE: Periapsis 9175 ----------		04-008/19:54:45.6
16902	M1O	04-008/20:15:17.4		SPAWN, Engine = 65535, Parameters = 008, 03, FALSE, 00:16:18.576, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-008/20:05:28.0
16903	M1O	04-008/20:15:18.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-008/20:05:29.1
16904	M1O	04-008/20:15:20.5		CALL, Engine = , Parameters = 254	get_cmd_opt	04-008/20:05:31.1
16905	M1O	04-008/20:16:02.7		CALL, Engine = , Parameters = 254	get_apid	04-008/20:06:13.3
16906	M1O	04-008/20:16:03.8		CALL, Engine = , Parameters = 254	get_rcv_mode	04-008/20:06:14.4
16907	M1O	04-008/20:16:04.0		CALL, Engine = , Parameters = 254	get_dl_rate	04-008/20:06:14.6
16908	M1O	04-008/20:16:05.1		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-008/20:06:15.7
16909	M1O	04-008/20:16:06.4		CALL, Engine = , Parameters = 254	get_coding	04-008/20:06:17.0
16910	M1O	04-008/20:16:07.6		CALL, Engine = , Parameters = 254	get_xmt_mode	04-008/20:06:18.2
16911	M1O	04-008/20:16:08.8		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-008/20:06:19.4
16912	M1O	04-008/20:17:13.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-008/20:07:24.2
16913	M1O	04-008/20:17:14.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-008/20:07:25.2
16914	M1O	04-008/20:17:15.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-008/20:07:26.2
16915	M1O	04-008/20:17:16.6		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-008/20:07:27.2
16916	M1O	04-008/20:17:17.6		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-008/20:07:28.2
16917	M1O	04-008/20:17:18.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-008/20:07:29.2
16918	M1O	04-008/20:17:19.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-008/20:07:30.2
16919	M1O	04-008/20:19:53.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
16920	M1O	04-008/20:29:53.0	63	Range Modulation Off		
16921	M1O	04-008/20:31:35.7		NOTE: Enter Solar Eclipse 9175		04-008/20:21:46.1
16922	M1O	04-008/20:32:49.0		NOTE: Ascending Node Crossing 9175		04-008/20:22:59.5
16923	M1O	04-008/20:33:34.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-008/20:23:44.7
16924	M1O	04-008/20:33:35.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-008/20:23:45.8
16925	M1O	04-008/20:33:45.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-008/20:23:55.8
16926	M1O	04-008/20:33:46.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-008/20:23:56.8
16927	M1O	04-008/20:34:53.0	63	X-Band Transmitter Off		
16928	M1O	04-008/20:51:41.6		NOTE: Exit Solar Eclipse 9175		04-008/20:41:52.0
16929	M1O	04-008/20:53:29.5		SPAWN, Engine = 65535, Parameters = 3, 00:31:12, 1	dpt	04-008/20:43:39.9
16930	M1O	04-008/20:53:31.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/20:43:42.0
16931	M1O	04-008/20:53:31.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16932	M1O	04-008/20:53:32.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-008/20:43:43.0
16933	M1O	04-008/20:54:32.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16934	M1O	04-008/20:54:32.6		NOTE: ENTER HGA KEEP OUT ZONE		
16935	M1O	04-008/20:54:32.6	63	NOTE: Loss Of X-Band Signal		
16936	M1O	04-008/21:00:05.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16937	M1O	04-008/21:01:23.4		NOTE: Enter Planetary Atmosphere 9175		04-008/20:51:33.7
16938	M1O	04-008/21:02:47.7		NOTE: North Pole Crossing 9175		04-008/20:52:58.1
16939	M1O	04-008/21:03:11.4		NOTE: Enter Earth Occultation 9175		04-008/20:53:21.7
16940	M1O	04-008/21:04:25.1		NOTE: Apoapsis 9175 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16942	M1O	04-008/21:06:05.0	63	Begin Ranging Acquisition		
16943	M1O	04-008/21:11:12.6		NOTE: EXIT HGA KEEP OUT ZONE		
16944	M1O	04-008/21:19:12.5		NOTE: Exit Earth Occultation 9175		04-008/21:09:22.8
16945	M1O	04-008/21:19:12.5	63	Acquisition Of X-Band Signal		
16946	M1O	04-008/21:19:12.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16947	M1O	04-008/21:19:44.2	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16948	M1O	04-008/21:21:01.7		NOTE: Exit Planetary Atmosphere 9175		04-008/21:11:12.0
16949	M1O	04-008/21:24:43.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-008/21:14:54.0
16950	M1O	04-008/21:24:43.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16951	M1O	04-008/21:24:44.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-008/21:14:55.0
16952	M1O	04-008/21:32:49.5		NOTE: Descending Node Crossing 9176		04-008/21:22:59.8
16953	M1O	04-008/22:02:09.0		NOTE: South Pole Crossing 9176		04-008/21:52:19.2
16954	M1O	04-008/22:03:12.5		NOTE: Periapsis 9176 ----------		04-008/21:53:22.6
16955	M1O	04-008/22:12:19.8		SPAWN, Engine = 65535, Parameters = 008, 04, TRUE, 00:17:15, 254, TRUE, 32_KPS, 00:05:00, 00:00:00	uhf	04-008/22:02:30.0
16956	M1O	04-008/22:12:20.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/22:02:30.5
16957	M1O	04-008/22:12:20.3	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16958	M1O	04-008/22:12:20.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-008/22:02:31.1
16959	M1O	04-008/22:12:22.9		CALL, Engine = , Parameters = 254	get_cmd_opt	04-008/22:02:33.1
16960	M1O	04-008/22:12:23.2		CALL, Engine = , Parameters = 008, 04, 254	bld_autosw	04-008/22:02:33.4
16961	M1O	04-008/22:12:24.3		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-008/22:02:34.5
16962	M1O	04-008/22:12:25.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/22:02:35.6
16963	M1O	04-008/22:12:26.4		Deletes the designated file.: d:/dat/254_doy008_pass04_file01.dat	FILE_DELETE	04-008/22:02:36.6
16964	M1O	04-008/22:12:27.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/22:02:37.7
16965	M1O	04-008/22:12:28.5		Deletes the designated file.: d:/dat/254_doy008_pass04_file02.dat	FILE_DELETE	04-008/22:02:38.7
16966	M1O	04-008/22:12:29.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/22:02:39.8
16967	M1O	04-008/22:12:30.6		Deletes the designated file.: d:/dat/254_doy008_pass04_file03.dat	FILE_DELETE	04-008/22:02:40.8
16968	M1O	04-008/22:12:31.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/22:02:41.9
16969	M1O	04-008/22:12:32.7		Deletes the designated file.: d:/dat/254_doy008_pass04_file04.dat	FILE_DELETE	04-008/22:02:42.9
16970	M1O	04-008/22:12:33.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/22:02:44.0
16971	M1O	04-008/22:12:34.8		Deletes the designated file.: d:/dat/254_doy008_pass04_file05.dat	FILE_DELETE	04-008/22:02:45.0
16972	M1O	04-008/22:12:35.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/22:02:46.1
16973	M1O	04-008/22:12:36.9		Deletes the designated file.: d:/dat/254_doy008_pass04_file06.dat	FILE_DELETE	04-008/22:02:47.1
16974	M1O	04-008/22:12:38.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/22:02:48.2
16975	M1O	04-008/22:12:39.0		Deletes the designated file.: d:/dat/254_doy008_pass04_file07.dat	FILE_DELETE	04-008/22:02:49.2
16976	M1O	04-008/22:12:40.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/22:02:50.3
16977	M1O	04-008/22:12:41.1		Deletes the designated file.: d:/dat/254_doy008_pass04_file08.dat	FILE_DELETE	04-008/22:02:51.3
16978	M1O	04-008/22:12:42.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/22:02:52.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16979	M1O	04-008/22:12:43.2		Deletes the designated file.: d:/dat/254_doy008_pass04_file09.dat	FILE_DELETE	04-008/22:02:53.4
16980	M1O	04-008/22:12:44.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/22:02:54.5
16981	M1O	04-008/22:12:45.3		Deletes the designated file.: d:/dat/254_doy008_pass04_file10.dat	FILE_DELETE	04-008/22:02:55.5
16982	M1O	04-008/22:12:46.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/22:02:56.6
16983	M1O	04-008/22:12:47.4		Deletes the designated file.: d:/dat/254_doy008_pass04_file11.dat	FILE_DELETE	04-008/22:02:57.6
16984	M1O	04-008/22:12:48.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/22:02:58.7
16985	M1O	04-008/22:12:49.5		Deletes the designated file.: d:/dat/254_doy008_pass04_file12.dat	FILE_DELETE	04-008/22:02:59.7
16986	M1O	04-008/22:12:50.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/22:03:00.8
16987	M1O	04-008/22:12:51.6		Deletes the designated file.: d:/dat/254_doy008_pass04_file13.dat	FILE_DELETE	04-008/22:03:01.8
16988	M1O	04-008/22:12:52.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/22:03:02.9
16989	M1O	04-008/22:12:53.7		Deletes the designated file.: d:/dat/254_doy008_pass04_file14.dat	FILE_DELETE	04-008/22:03:03.9
16990	M1O	04-008/22:12:54.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/22:03:05.0
16991	M1O	04-008/22:12:55.8		Deletes the designated file.: d:/dat/254_doy008_pass04_file15.dat	FILE_DELETE	04-008/22:03:06.0
16992	M1O	04-008/22:12:56.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/22:03:07.1
16993	M1O	04-008/22:12:57.9		Deletes the designated file.: d:/dat/254_doy008_pass04_file16.dat	FILE_DELETE	04-008/22:03:08.1
16994	M1O	04-008/22:12:59.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/22:03:09.2
16995	M1O	04-008/22:13:00.0		Deletes the designated file.: d:/dat/254_doy008_pass04_file17.dat	FILE_DELETE	04-008/22:03:10.2
16996	M1O	04-008/22:13:01.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/22:03:11.3
16997	M1O	04-008/22:13:02.1		Deletes the designated file.: d:/dat/254_doy008_pass04_file18.dat	FILE_DELETE	04-008/22:03:12.3
16998	M1O	04-008/22:13:03.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy008_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-008/22:03:13.4
16999	M1O	04-008/22:13:04.2		Deletes the designated file.: d:/dat/254_doy008_pass04_file19.dat	FILE_DELETE	04-008/22:03:14.4
17000	M1O	04-008/22:13:05.2		CALL, Engine = , Parameters = 254	get_apid	04-008/22:03:15.4
17001	M1O	04-008/22:13:06.3		CALL, Engine = , Parameters = 254	get_rcv_mode	04-008/22:03:16.5
17002	M1O	04-008/22:13:06.5		CALL, Engine = , Parameters = 254	get_dl_rate	04-008/22:03:16.7
17003	M1O	04-008/22:13:07.6		CALL, Engine = , Parameters = 254, TRUE	get_modulatn	04-008/22:03:17.8
17004	M1O	04-008/22:13:08.9		CALL, Engine = , Parameters = 254	get_coding	04-008/22:03:19.1
17005	M1O	04-008/22:13:10.1		CALL, Engine = , Parameters = 254	get_xmt_mode	04-008/22:03:20.3
17006	M1O	04-008/22:13:11.3		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-008/22:03:21.5
17007	M1O	04-008/22:14:16.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-008/22:04:26.3
17008	M1O	04-008/22:14:17.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-008/22:04:27.3
17009	M1O	04-008/22:14:18.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-008/22:04:28.3
17010	M1O	04-008/22:14:19.1		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-008/22:04:29.3
17011	M1O	04-008/22:14:20.1		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-008/22:04:30.3
17012	M1O	04-008/22:14:21.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK_COHO, CONV_VIT	UHF_RCV_MODE	04-008/22:04:31.3
17013	M1O	04-008/22:14:22.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-008/22:04:32.3
17014	M1O	04-008/22:14:23.1		This activates the discrete inout to the transceiver.: ON	UHF_DOP_CMD	04-008/22:04:33.3
17015	M1O	04-008/22:14:24.1		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_relay.cfg,	FSW_OBJ_INITIAL	04-008/22:04:34.3
17016	M1O	04-008/22:18:29.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
17017	M1O	04-008/22:19:12.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/22:09:22.3
17018	M1O	04-008/22:19:22.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data	DOWNLINK_MODE	04-008/22:09:32.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				stream.: RELAY_CMD		
17019	M1O	04-008/22:28:29.0	63	Range Modulation Off		
17020	M1O	04-008/22:30:00.0	14	Begin Pre-Cal		
17021	M1O	04-008/22:30:00.0	14	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
17022	M1O	04-008/22:30:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17023	M1O	04-008/22:30:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17024	M1O	04-008/22:30:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17025	M1O	04-008/22:30:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17026	M1O	04-008/22:30:00.0	14	Config: RCV: Parms:		
17027	M1O	04-008/22:30:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17028	M1O	04-008/22:30:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
17029	M1O	04-008/22:30:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
17030	M1O	04-008/22:30:11.7		NOTE: Enter Solar Eclipse 9176		04-008/22:20:21.8
17031	M1O	04-008/22:31:25.6		NOTE: Ascending Node Crossing 9176		04-008/22:21:35.7
17032	M1O	04-008/22:31:32.2		This activates the discrete inout to the transceiver.: OFF	UHF_DOP_CMD	04-008/22:21:42.3
17033	M1O	04-008/22:31:33.2		Initializes the identified object using the specified files.: TELECOM, d:/cfg/tel_cyclic_def.cfg,	FSW_OBJ_INITIAL	04-008/22:21:43.3
17034	M1O	04-008/22:31:35.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-008/22:21:45.3
17035	M1O	04-008/22:31:36.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-008/22:21:46.4
17036	M1O	04-008/22:31:46.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-008/22:21:56.4
17037	M1O	04-008/22:31:47.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-008/22:21:57.4
17038	M1O	04-008/22:31:48.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-008/22:21:58.4
17039	M1O	04-008/22:31:48.3	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17040	M1O	04-008/22:31:49.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-008/22:21:59.4
17041	M1O	04-008/22:33:29.0	63	X-Band Transmitter Off		
17042	M1O	04-008/22:36:47.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-008/22:26:58.0
17043	M1O	04-008/22:36:47.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17044	M1O	04-008/22:44:57.9		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-008/22:35:08.0
17045	M1O	04-008/22:45:13.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-006T22:35:08.100, 2004-008T22:35:08.100	PCKTS_RE_TX_TIME	04-008/22:35:23.8
17046	M1O	04-008/22:45:14.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-006T22:35:08.100, 2004-008T22:35:08.100	PCKTS_RE_TX_TIME	04-008/22:35:24.8
17047	M1O	04-008/22:45:15.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-006T22:35:08.100, 2004-008T22:35:08.100	PCKTS_RE_TX_TIME	04-008/22:35:25.8
17048	M1O	04-008/22:45:16.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-006T22:35:08.100, 2004-008T22:35:08.100	PCKTS_RE_TX_TIME	04-008/22:35:26.8
17049	M1O	04-008/22:45:17.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-006T22:35:08.100, 2004-008T22:35:08.100	PCKTS_RE_TX_TIME	04-008/22:35:27.8
17050	M1O	04-008/22:45:18.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-006T22:35:08.100, 2004-008T22:35:08.100	PCKTS_RE_TX_TIME	04-008/22:35:28.8
17051	M1O	04-008/22:45:18.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-008/22:35:28.8
17052	M1O	04-008/22:45:18.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17053	M1O	04-008/22:50:16.7		NOTE: Exit Solar Eclipse 9176		04-008/22:40:26.8
17054	M1O	04-008/22:52:19.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/22:42:29.8
17055	M1O	04-008/22:52:19.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17056	M1O	04-008/22:52:20.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-008/22:42:30.8
17057	M1O	04-008/22:52:36.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-008/22:42:46.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17058	M1O	04-008/22:52:36.7	63	D/L RF Warning: SC antenna change - expect signal level variation		
17059	M1O	04-008/22:52:37.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-008/22:42:47.8
17060	M1O	04-008/22:53:08.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17061	M1O	04-008/22:53:08.9		NOTE: ENTER HGA KEEP OUT ZONE		
17062	M1O	04-008/22:53:08.9	63	NOTE: Loss Of X-Band Signal		
17063	M1O	04-008/23:00:00.5		NOTE: Enter Planetary Atmosphere 9176		04-008/22:50:10.5
17064	M1O	04-008/23:01:24.4		NOTE: North Pole Crossing 9176		04-008/22:51:34.4
17065	M1O	04-008/23:01:48.5		NOTE: Enter Earth Occultation 9176		04-008/22:51:58.5
17066	M1O	04-008/23:02:49.6		NOTE: Apoapsis 9176 -		04-008/22:52:59.6
17067	M1O	04-008/23:09:49.0		NOTE: EXIT HGA KEEP OUT ZONE		
17068	M1O	04-008/23:17:49.1		NOTE: Exit Earth Occultation 9176		04-008/23:07:59.0
17069	M1O	04-008/23:17:49.1	63	Acquisition Of X-Band Signal		
17070	M1O	04-008/23:17:49.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17071	M1O	04-008/23:19:38.3		NOTE: Exit Planetary Atmosphere 9176		04-008/23:09:48.2
17072	M1O	04-008/23:23:16.0	63	NOTE: Below Uplink Interlock Limit		
17073	M1O	04-008/23:31:26.1		NOTE: Descending Node Crossing 9177		04-008/23:21:36.0
17074	M1O	04-008/23:35:00.0	63	End Tracking		
17075	M1O	04-008/23:44:27.1		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-008/23:34:37.0
17076	M1O	04-008/23:44:27.2		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-008/23:34:37.1
17077	M1O	04-008/23:44:28.2		Forces a desaturation of the reaction wheels.	RW_DESAT	04-008/23:34:38.1
17078	M1O	04-008/23:50:00.0	63	End Post-Cal		
17079	M1O	04-008/23:55:58.2		CALL, Engine = , Parameters = FALSE	park_hga	04-008/23:46:08.1
17080	M1O	04-008/23:55:58.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-008/23:46:08.1
17081	M1O	04-008/23:55:59.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-008/23:46:09.1
17082	M1O	04-008/23:56:00.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-008/23:46:10.1
17083	M1O	04-008/23:56:00.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-008/23:46:10.1
17084	M1O	04-008/23:56:00.2		NOTE: START HGA PARK		
17085	M1O	04-008/23:56:01.2		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-008/23:46:11.1
17086	M1O	04-008/23:56:02.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-008/23:46:12.1
17087	M1O	04-009/00:00:00.0		Light Time: OWLT = 09:50, RTLT = 19:40		
17088	M1O	04-009/00:00:32.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-008/23:50:42.1
17089	M1O	04-009/00:00:45.7		NOTE: South Pole Crossing 9177		04-008/23:50:55.5
17090	M1O	04-009/00:01:44.6		NOTE: Periapsis 9177 ----------		04-008/23:51:54.4
17091	M1O	04-009/00:04:02.3		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-008/23:54:12.1
17092	M1O	04-009/00:04:02.3		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-008/23:54:12.1
17093	M1O	04-009/00:15:00.0	14	Begin Tracking		
17094	M1O	04-009/00:15:00.0	26	Begin Pre-Cal		
17095	M1O	04-009/00:15:00.0	26	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
17096	M1O	04-009/00:15:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17097	M1O	04-009/00:15:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17098	M1O	04-009/00:15:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17099	M1O	04-009/00:15:00.0	26	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17100	M1O	04-009/00:15:00.0	26	Config: RCV: Parms:		
17101	M1O	04-009/00:15:00.0	26	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17102	M1O	04-009/00:15:00.0	26	Config: TGC: BAND=X, SR=221200.000000		
17103	M1O	04-009/00:15:00.0	26	Config: TXL		
17104	M1O	04-009/00:15:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
17105	M1O	04-009/00:15:00.0	26	Config: CMD		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17106	M1O	04-009/00:15:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
17107	M1O	04-009/00:28:48.4		NOTE: Enter Solar Eclipse 9177		04-009/00:18:58.2
17108	M1O	04-009/00:30:02.3		NOTE: Ascending Node Crossing 9177		04-009/00:20:12.0
17109	M1O	04-009/00:34:02.3		GV: GV_DESAT_ACTIVE = 1		04-009/00:24:12.0
17110	M1O	04-009/00:34:03.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-009/00:24:13.0
17111	M1O	04-009/00:34:03.3		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-009/00:24:13.0
17112	M1O	04-009/00:44:02.3		GV: GV_DESAT_ACTIVE = 0		04-009/00:34:12.0
17113	M1O	04-009/00:44:03.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-009/00:34:13.0
17114	M1O	04-009/00:44:04.3		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-009/00:34:14.0
17115	M1O	04-009/00:44:05.3		CALL, Engine = , Parameters =	unpark_hga	04-009/00:34:15.0
17116	M1O	04-009/00:44:05.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-009/00:34:15.0
17117	M1O	04-009/00:44:06.3		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-009/00:34:16.0
17118	M1O	04-009/00:48:36.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-009/00:38:46.0
17119	M1O	04-009/00:48:37.3		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-009/00:38:47.0
17120	M1O	04-009/00:48:55.2		NOTE: Exit Solar Eclipse 9177		04-009/00:39:04.9
17121	M1O	04-009/00:51:46.3		NOTE: ENTER HGA KEEP OUT ZONE		
17122	M1O	04-009/00:52:37.3		NOTE: EXIT HGA PARK		
17123	M1O	04-009/00:58:31.6		NOTE: Enter Planetary Atmosphere 9177		04-009/00:48:41.2
17124	M1O	04-009/01:00:00.0	26	Begin Tracking		
17125	M1O	04-009/01:00:00.2		NOTE: North Pole Crossing 9177		04-009/00:50:09.8
17126	M1O	04-009/01:00:18.8		NOTE: Enter Earth Occultation 9177		04-009/00:50:28.4
17127	M1O	04-009/01:01:00.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17128	M1O	04-009/01:01:12.7		NOTE: Apoapsis 9177 -		04-009/00:51:22.3
17129	M1O	04-009/01:05:00.0	43	Begin Pre-Cal		
17130	M1O	04-009/01:05:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17131	M1O	04-009/01:05:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17132	M1O	04-009/01:05:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17133	M1O	04-009/01:05:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17134	M1O	04-009/01:05:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17135	M1O	04-009/01:05:00.0	43	Config: RCV: Parms:		
17136	M1O	04-009/01:05:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17137	M1O	04-009/01:05:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
17138	M1O	04-009/01:05:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
17139	M1O	04-009/01:06:00.0	26	Range Modulation On: SUP=3.0dB		
17140	M1O	04-009/01:07:00.0	26	Begin Ranging Acquisition		
17141	M1O	04-009/01:08:26.4		NOTE: EXIT HGA KEEP OUT ZONE		
17142	M1O	04-009/01:16:03.3		SPAWN, Engine = 65535, Parameters = 00:09:12.211	cstr	04-009/01:06:12.8
17143	M1O	04-009/01:16:03.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/01:06:12.9
17144	M1O	04-009/01:16:04.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-009/01:06:13.9
17145	M1O	04-009/01:16:05.4		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-009/01:06:14.9
17146	M1O	04-009/01:16:06.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-009/01:06:15.9
17147	M1O	04-009/01:16:07.4		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-009/01:06:16.9
17148	M1O	04-009/01:16:17.4		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-009/01:06:26.9
17149	M1O	04-009/01:16:27.4		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-009/01:06:36.9
17150	M1O	04-009/01:16:28.3		NOTE: Exit Earth Occultation 9177		04-009/01:06:37.8
17151	M1O	04-009/01:16:28.3	14	Acquisition Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17152	M1O	04-009/01:16:28.3	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17153	M1O	04-009/01:16:28.3	26	Acquisition Of X-Band Signal		
17154	M1O	04-009/01:16:28.3	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17155	M1O	04-009/01:18:16.6		NOTE: Exit Planetary Atmosphere 9177		04-009/01:08:26.1
17156	M1O	04-009/01:20:40.7	14	Acquire D/L: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17157	M1O	04-009/01:20:40.7	26	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17158	M1O	04-009/01:25:39.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-009/01:15:49.2
17159	M1O	04-009/01:25:40.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-009/01:15:50.2
17160	M1O	04-009/01:25:40.6	14	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17161	M1O	04-009/01:25:40.6	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17162	M1O	04-009/01:25:41.6		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-009/01:15:51.2
17163	M1O	04-009/01:30:00.7		NOTE: Descending Node Crossing 9178		04-009/01:20:10.2
17164	M1O	04-009/01:59:20.2		NOTE: South Pole Crossing 9178		04-009/01:49:29.6
17165	M1O	04-009/02:00:20.8		NOTE: Periapsis 9178 ----------		04-009/01:50:30.3
17166	M1O	04-009/02:14:48.6		SPAWN, Engine = 65535, Parameters = 009, 01, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-009/02:04:58.0
17167	M1O	04-009/02:14:49.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/02:04:58.5
17168	M1O	04-009/02:14:49.1	14	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17169	M1O	04-009/02:14:49.1	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17170	M1O	04-009/02:14:49.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-009/02:04:59.1
17171	M1O	04-009/02:14:51.7		CALL, Engine = , Parameters = 56	get_cmd_opt	04-009/02:05:01.1
17172	M1O	04-009/02:14:52.0		CALL, Engine = , Parameters = 009, 01, 056	bld_autosw	04-009/02:05:01.4
17173	M1O	04-009/02:14:53.1		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-009/02:05:02.5
17174	M1O	04-009/02:14:54.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/02:05:03.6
17175	M1O	04-009/02:14:55.2		Deletes the designated file.: d:/dat/056_doy009_pass01_file01.dat	FILE_DELETE	04-009/02:05:04.6
17176	M1O	04-009/02:14:56.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/02:05:05.7
17177	M1O	04-009/02:14:57.3		Deletes the designated file.: d:/dat/056_doy009_pass01_file02.dat	FILE_DELETE	04-009/02:05:06.7
17178	M1O	04-009/02:14:58.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/02:05:07.8
17179	M1O	04-009/02:14:59.4		Deletes the designated file.: d:/dat/056_doy009_pass01_file03.dat	FILE_DELETE	04-009/02:05:08.8
17180	M1O	04-009/02:15:00.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/02:05:09.9
17181	M1O	04-009/02:15:01.5		Deletes the designated file.: d:/dat/056_doy009_pass01_file04.dat	FILE_DELETE	04-009/02:05:10.9
17182	M1O	04-009/02:15:02.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/02:05:12.0
17183	M1O	04-009/02:15:03.6		Deletes the designated file.: d:/dat/056_doy009_pass01_file05.dat	FILE_DELETE	04-009/02:05:13.0
17184	M1O	04-009/02:15:04.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/02:05:14.1
17185	M1O	04-009/02:15:05.7		Deletes the designated file.: d:/dat/056_doy009_pass01_file06.dat	FILE_DELETE	04-009/02:05:15.1
17186	M1O	04-009/02:15:06.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/02:05:16.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17187	M1O	04-009/02:15:07.8		Deletes the designated file.: d:/dat/056_doy009_pass01_file07.dat	FILE_DELETE	04-009/02:05:17.2
17188	M1O	04-009/02:15:08.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/02:05:18.3
17189	M1O	04-009/02:15:09.9		Deletes the designated file.: d:/dat/056_doy009_pass01_file08.dat	FILE_DELETE	04-009/02:05:19.3
17190	M1O	04-009/02:15:11.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/02:05:20.4
17191	M1O	04-009/02:15:12.0		Deletes the designated file.: d:/dat/056_doy009_pass01_file09.dat	FILE_DELETE	04-009/02:05:21.4
17192	M1O	04-009/02:15:13.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/02:05:22.5
17193	M1O	04-009/02:15:14.1		Deletes the designated file.: d:/dat/056_doy009_pass01_file10.dat	FILE_DELETE	04-009/02:05:23.5
17194	M1O	04-009/02:15:15.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/02:05:24.6
17195	M1O	04-009/02:15:16.2		Deletes the designated file.: d:/dat/056_doy009_pass01_file11.dat	FILE_DELETE	04-009/02:05:25.6
17196	M1O	04-009/02:15:17.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/02:05:26.7
17197	M1O	04-009/02:15:18.3		Deletes the designated file.: d:/dat/056_doy009_pass01_file12.dat	FILE_DELETE	04-009/02:05:27.7
17198	M1O	04-009/02:15:19.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/02:05:28.8
17199	M1O	04-009/02:15:20.4		Deletes the designated file.: d:/dat/056_doy009_pass01_file13.dat	FILE_DELETE	04-009/02:05:29.8
17200	M1O	04-009/02:15:21.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/02:05:30.9
17201	M1O	04-009/02:15:22.5		Deletes the designated file.: d:/dat/056_doy009_pass01_file14.dat	FILE_DELETE	04-009/02:05:31.9
17202	M1O	04-009/02:15:23.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/02:05:33.0
17203	M1O	04-009/02:15:24.6		Deletes the designated file.: d:/dat/056_doy009_pass01_file15.dat	FILE_DELETE	04-009/02:05:34.0
17204	M1O	04-009/02:15:25.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/02:05:35.1
17205	M1O	04-009/02:15:26.7		Deletes the designated file.: d:/dat/056_doy009_pass01_file16.dat	FILE_DELETE	04-009/02:05:36.1
17206	M1O	04-009/02:15:27.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/02:05:37.2
17207	M1O	04-009/02:15:28.8		Deletes the designated file.: d:/dat/056_doy009_pass01_file17.dat	FILE_DELETE	04-009/02:05:38.2
17208	M1O	04-009/02:15:29.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/02:05:39.3
17209	M1O	04-009/02:15:30.9		Deletes the designated file.: d:/dat/056_doy009_pass01_file18.dat	FILE_DELETE	04-009/02:05:40.3
17210	M1O	04-009/02:15:32.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/02:05:41.4
17211	M1O	04-009/02:15:33.0		Deletes the designated file.: d:/dat/056_doy009_pass01_file19.dat	FILE_DELETE	04-009/02:05:42.4
17212	M1O	04-009/02:15:34.0		CALL, Engine = , Parameters = 56	get_apid	04-009/02:05:43.4
17213	M1O	04-009/02:15:35.1		CALL, Engine = , Parameters = 56	get_rcv_mode	04-009/02:05:44.5
17214	M1O	04-009/02:15:35.3		CALL, Engine = , Parameters = 56	get_dl_rate	04-009/02:05:44.7
17215	M1O	04-009/02:15:36.4		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-009/02:05:45.8
17216	M1O	04-009/02:15:37.6		CALL, Engine = , Parameters = 56	get_coding	04-009/02:05:47.0
17217	M1O	04-009/02:15:38.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
17218	M1O	04-009/02:15:38.8		CALL, Engine = , Parameters = 56	get_xmt_mode	04-009/02:05:48.2
17219	M1O	04-009/02:15:40.0		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-009/02:05:49.4
17220	M1O	04-009/02:16:44.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-009/02:06:54.2
17221	M1O	04-009/02:16:45.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-009/02:06:55.2
17222	M1O	04-009/02:16:46.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-009/02:06:56.2
17223	M1O	04-009/02:16:47.8		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-009/02:06:57.2
17224	M1O	04-009/02:16:48.8		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-009/02:06:58.2
17225	M1O	04-009/02:16:49.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-009/02:06:59.2
17226	M1O	04-009/02:16:50.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-009/02:07:00.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17227	M1O	04-009/02:18:40.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/02:08:50.2
17228	M1O	04-009/02:18:50.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-009/02:09:00.2
17229	M1O	04-009/02:25:38.0	26	Range Modulation Off		
17230	M1O	04-009/02:27:22.4		NOTE: Enter Solar Eclipse 9178		04-009/02:17:31.7
17231	M1O	04-009/02:28:36.7		NOTE: Ascending Node Crossing 9178		04-009/02:18:46.1
17232	M1O	04-009/02:30:38.0	26	X-Band Transmitter Off		
17233	M1O	04-009/02:47:32.6		NOTE: Exit Solar Eclipse 9178		04-009/02:37:41.9
17234	M1O	04-009/02:48:48.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-009/02:38:58.2
17235	M1O	04-009/02:48:50.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-009/02:38:59.3
17236	M1O	04-009/02:49:00.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-009/02:39:09.3
17237	M1O	04-009/02:49:01.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-009/02:39:10.3
17238	M1O	04-009/02:49:02.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-009/02:39:11.3
17239	M1O	04-009/02:49:02.0	14	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17240	M1O	04-009/02:49:02.0	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17241	M1O	04-009/02:49:03.0		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-009/02:39:12.3
17242	M1O	04-009/02:49:16.8		SPAWN, Engine = 65535, Parameters = 3, 00:31:17, 1	dpt	04-009/02:39:26.1
17243	M1O	04-009/02:49:18.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/02:39:28.2
17244	M1O	04-009/02:49:19.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-009/02:39:29.2
17245	M1O	04-009/02:50:00.0	43	Begin Tracking		
17246	M1O	04-009/02:50:00.0	43	Acquire D/L: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17247	M1O	04-009/02:50:19.3	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17248	M1O	04-009/02:50:19.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17249	M1O	04-009/02:50:19.3	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17250	M1O	04-009/02:50:20.7		NOTE: ENTER HGA KEEP OUT ZONE		
17251	M1O	04-009/02:50:20.7	14	NOTE: Loss Of X-Band Signal		
17252	M1O	04-009/02:50:20.7	43	NOTE: Loss Of X-Band Signal		
17253	M1O	04-009/02:50:20.7	26	NOTE: Loss Of X-Band Signal		
17254	M1O	04-009/02:50:56.0	43	NOTE: Above Uplink Interlock Limit		
17255	M1O	04-009/02:55:55.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17256	M1O	04-009/02:56:59.4		NOTE: Enter Planetary Atmosphere 9178		04-009/02:47:08.6
17257	M1O	04-009/02:58:33.5		NOTE: North Pole Crossing 9178		04-009/02:48:42.7
17258	M1O	04-009/02:58:45.8		NOTE: Enter Earth Occultation 9178		04-009/02:48:55.0
17259	M1O	04-009/02:59:55.0		NOTE: Apoapsis 9178 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
17268	M1O	04-009/03:15:04.4	26	Acquisition Of X-Band Signal		
17269	M1O	04-009/03:15:04.4	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17270	M1O	04-009/03:15:36.4	14	Acquire D/L: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17271	M1O	04-009/03:15:36.4	43	Acquire D/L: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17272	M1O	04-009/03:15:36.4	26	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17273	M1O	04-009/03:16:51.8		NOTE: Exit Planetary Atmosphere 9178		04-009/03:07:01.0
17274	M1O	04-009/03:20:36.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-009/03:10:45.2
17275	M1O	04-009/03:20:36.0	14	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17276	M1O	04-009/03:20:36.0	43	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17277	M1O	04-009/03:20:36.0	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17278	M1O	04-009/03:20:37.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-009/03:10:46.2
17279	M1O	04-009/03:28:32.9		NOTE: Descending Node Crossing 9179		04-009/03:18:42.1
17280	M1O	04-009/03:55:00.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
17281	M1O	04-009/03:55:18.0	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
17282	M1O	04-009/03:57:51.7		NOTE: South Pole Crossing 9179		04-009/03:48:00.8
17283	M1O	04-009/03:58:52.0		NOTE: Periapsis 9179 ----------		04-009/03:49:01.1
17284	M1O	04-009/04:05:00.0	26	Range Modulation Off		
17285	M1O	04-009/04:10:00.0	26	X-Band Transmitter Off		
17286	M1O	04-009/04:15:00.0	26	End Tracking		
17287	M1O	04-009/04:21:01.0		SPAWN, Engine = 65535, Parameters = 009, 02, FALSE, 00:14:50.673, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-009/04:11:10.0
17288	M1O	04-009/04:21:02.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-009/04:11:11.1
17289	M1O	04-009/04:21:04.1		CALL, Engine = , Parameters = 56	get_cmd_opt	04-009/04:11:13.1
17290	M1O	04-009/04:21:46.3		CALL, Engine = , Parameters = 56	get_apid	04-009/04:11:55.3
17291	M1O	04-009/04:21:47.4		CALL, Engine = , Parameters = 56	get_rcv_mode	04-009/04:11:56.4
17292	M1O	04-009/04:21:47.6		CALL, Engine = , Parameters = 56	get_dl_rate	04-009/04:11:56.6
17293	M1O	04-009/04:21:48.7		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-009/04:11:57.7
17294	M1O	04-009/04:21:49.9		CALL, Engine = , Parameters = 56	get_coding	04-009/04:11:58.9
17295	M1O	04-009/04:21:51.1		CALL, Engine = , Parameters = 56	get_xmt_mode	04-009/04:12:00.1
17296	M1O	04-009/04:21:52.3		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-009/04:12:01.3
17297	M1O	04-009/04:22:57.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-009/04:13:06.1
17298	M1O	04-009/04:22:58.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-009/04:13:07.1
17299	M1O	04-009/04:22:59.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-009/04:13:08.1
17300	M1O	04-009/04:23:00.1		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-009/04:13:09.1
17301	M1O	04-009/04:23:01.1		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-009/04:13:10.1
17302	M1O	04-009/04:23:02.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-009/04:13:11.1
17303	M1O	04-009/04:23:03.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-009/04:13:12.1
17304	M1O	04-009/04:25:52.9		NOTE: Enter Solar Eclipse 9179		04-009/04:16:01.9
17305	M1O	04-009/04:27:07.8		NOTE: Ascending Node Crossing 9179		04-009/04:17:16.8
17306	M1O	04-009/04:28:39.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-009/04:18:48.1
17307	M1O	04-009/04:28:41.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/04:18:50.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17308	M1O	04-009/04:28:41.2	14	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17309	M1O	04-009/04:28:41.2	43	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17310	M1O	04-009/04:28:42.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-009/04:18:51.2
17311	M1O	04-009/04:29:41.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17312	M1O	04-009/04:29:41.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17313	M1O	04-009/04:30:00.0	26	End Post-Cal		
17314	M1O	04-009/04:34:41.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-009/04:24:50.2
17315	M1O	04-009/04:34:41.2	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17316	M1O	04-009/04:34:41.2	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17317	M1O	04-009/04:34:42.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-009/04:24:51.2
17318	M1O	04-009/04:37:49.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-009/04:27:58.7
17319	M1O	04-009/04:37:50.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-009/04:27:59.8
17320	M1O	04-009/04:38:00.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-009/04:28:09.8
17321	M1O	04-009/04:38:01.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-009/04:28:10.8
17322	M1O	04-009/04:46:03.9		NOTE: Exit Solar Eclipse 9179		04-009/04:36:12.8
17323	M1O	04-009/04:47:51.0		SPAWN, Engine = 65535, Parameters = 3, 00:30:42.212, 1	dpt	04-009/04:38:00.0
17324	M1O	04-009/04:47:53.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/04:38:02.1
17325	M1O	04-009/04:47:53.1	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17326	M1O	04-009/04:47:53.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17327	M1O	04-009/04:47:54.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-009/04:38:03.1
17328	M1O	04-009/04:48:53.0		NOTE: ENTER HGA KEEP OUT ZONE		
17329	M1O	04-009/04:48:53.0	14	NOTE: Loss Of X-Band Signal		
17330	M1O	04-009/04:48:53.0	43	NOTE: Loss Of X-Band Signal		
17331	M1O	04-009/04:55:29.9		NOTE: Enter Planetary Atmosphere 9179		04-009/04:45:38.8
17332	M1O	04-009/04:57:04.7		NOTE: North Pole Crossing 9179		04-009/04:47:13.6
17333	M1O	04-009/04:57:16.2		NOTE: Enter Earth Occultation 9179		04-009/04:47:25.1
17334	M1O	04-009/04:58:27.1		NOTE: Apoapsis 9179 -		04-009/04:48:36.0
17335	M1O	04-009/05:05:33.1		NOTE: EXIT HGA KEEP OUT ZONE		
17336	M1O	04-009/05:13:35.3		NOTE: Exit Earth Occultation 9179		04-009/05:03:44.2
17337	M1O	04-009/05:13:35.3	14	Acquisition Of X-Band Signal		
17338	M1O	04-009/05:13:35.3	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17339	M1O	04-009/05:13:35.3	43	Acquisition Of X-Band Signal		
17340	M1O	04-009/05:13:35.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17341	M1O	04-009/05:15:22.8		NOTE: Exit Planetary Atmosphere 9179		04-009/05:05:31.7
17342	M1O	04-009/05:18:35.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-009/05:08:44.3
17343	M1O	04-009/05:18:35.5	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17344	M1O	04-009/05:18:35.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17345	M1O	04-009/05:18:36.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-009/05:08:45.3
17346	M1O	04-009/05:27:04.3		NOTE: Descending Node Crossing 9180		04-009/05:17:13.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17347	M1O	04-009/05:56:22.5		NOTE: South Pole Crossing 9180		04-009/05:46:31.2
17348	M1O	04-009/05:57:04.9		NOTE: Periapsis 9180 ----------		04-009/05:47:13.6
17349	M1O	04-009/06:00:00.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17350	M1O	04-009/06:05:00.0	14	Range Modulation On: SUP=3.0dB		
17351	M1O	04-009/06:06:00.0	14	Begin Ranging Acquisition		
17352	M1O	04-009/06:12:40.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
17353	M1O	04-009/06:18:40.6		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-009/06:08:49.2
17354	M1O	04-009/06:18:42.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/06:08:51.3
17355	M1O	04-009/06:18:42.7	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17356	M1O	04-009/06:18:42.7	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17357	M1O	04-009/06:18:43.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-009/06:08:52.3
17358	M1O	04-009/06:19:42.6	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17359	M1O	04-009/06:19:42.6	43	Acquire D/L: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17360	M1O	04-009/06:22:40.0	14	Range Modulation Off		
17361	M1O	04-009/06:24:25.3		NOTE: Enter Solar Eclipse 9180		04-009/06:14:33.9
17362	M1O	04-009/06:24:42.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-009/06:14:51.3
17363	M1O	04-009/06:24:42.7	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17364	M1O	04-009/06:24:42.7	43	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17365	M1O	04-009/06:24:43.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-009/06:14:52.3
17366	M1O	04-009/06:25:38.7		NOTE: Ascending Node Crossing 9180		04-009/06:15:47.3
17367	M1O	04-009/06:27:40.0	14	X-Band Transmitter Off		
17368	M1O	04-009/06:40:17.0	14	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
17369	M1O	04-009/06:44:29.5		NOTE: Exit Solar Eclipse 9180		04-009/06:34:38.1
17370	M1O	04-009/06:46:20.6		SPAWN, Engine = 65535, Parameters = 3, 00:30:39.483, 1	dpt	04-009/06:36:29.2
17371	M1O	04-009/06:46:22.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/06:36:31.3
17372	M1O	04-009/06:46:22.7	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17373	M1O	04-009/06:46:22.7	43	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17374	M1O	04-009/06:46:23.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-009/06:36:32.3
17375	M1O	04-009/06:47:22.8	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17376	M1O	04-009/06:47:22.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17377	M1O	04-009/06:47:24.4		NOTE: ENTER HGA KEEP OUT ZONE		
17378	M1O	04-009/06:47:24.4	14	NOTE: Loss Of X-Band Signal		
17379	M1O	04-009/06:47:24.4	43	NOTE: Loss Of X-Band Signal		
17380	M1O	04-009/06:53:47.0	14	NOTE: Below Uplink Interlock Limit		
17381	M1O	04-009/06:54:08.7		NOTE: Enter Planetary Atmosphere 9180		04-009/06:44:17.2
17382	M1O	04-009/06:55:36.9		NOTE: North Pole Crossing 9180		04-009/06:45:45.4
17383	M1O	04-009/06:55:56.3		NOTE: Enter Earth Occultation 9180		04-009/06:46:04.8
17384	M1O	04-009/06:56:39.8		NOTE: Apoapsis 9180 -		04-009/06:46:48.4
17385	M1O	04-009/07:00:00.0	14	End Tracking		
17386	M1O	04-009/07:04:04.5		NOTE: EXIT HGA KEEP OUT ZONE		
17387	M1O	04-009/07:09:51.5		SPAWN, Engine = 65535, Parameters =	scdiag	04-009/07:00:00.0
17388	M1O	04-009/07:09:52.6		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-009/07:00:01.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17389	M1O	04-009/07:09:53.6		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-009/07:00:02.1
17390	M1O	04-009/07:10:54.5		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-009/07:01:03.0
17391	M1O	04-009/07:10:54.7		NOTE: Start Block fsw_diag		04-009/07:01:03.2
17392	M1O	04-009/07:10:55.7		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-009/07:01:04.2
17393	M1O	04-009/07:10:56.7		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	04-009/07:01:05.2
17394	M1O	04-009/07:11:07.7		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	04-009/07:01:16.2
17395	M1O	04-009/07:11:37.7		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-009/07:01:46.2
17396	M1O	04-009/07:11:57.7		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-009/07:02:06.2
17397	M1O	04-009/07:12:02.2		NOTE: Exit Earth Occultation 9180		04-009/07:02:10.7
17398	M1O	04-009/07:12:02.2	43	Acquisition Of X-Band Signal		
17399	M1O	04-009/07:12:02.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17400	M1O	04-009/07:12:07.7		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-009/07:02:16.2
17401	M1O	04-009/07:12:27.7		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-009/07:02:36.2
17402	M1O	04-009/07:12:37.7		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-009/07:02:46.2
17403	M1O	04-009/07:12:42.7		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-009/07:02:51.2
17404	M1O	04-009/07:12:47.7		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-009/07:02:56.2
17405	M1O	04-009/07:12:52.7		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-009/07:03:01.2
17406	M1O	04-009/07:12:57.7		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-009/07:03:06.2
17407	M1O	04-009/07:13:02.7		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-009/07:03:11.2
17408	M1O	04-009/07:13:42.7		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-009/07:03:51.2
17409	M1O	04-009/07:13:47.7		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-009/07:03:56.2
17410	M1O	04-009/07:13:51.0		NOTE: Exit Planetary Atmosphere 9180		04-009/07:03:59.5
17411	M1O	04-009/07:13:52.7		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-009/07:04:01.2
17412	M1O	04-009/07:13:57.7		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-009/07:04:06.2
17413	M1O	04-009/07:14:02.7		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-009/07:04:11.2
17414	M1O	04-009/07:14:03.7		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-009/07:04:12.2
17415	M1O	04-009/07:14:04.7		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-009/07:04:13.2
17416	M1O	04-009/07:14:05.7		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-009/07:04:14.2
17417	M1O	04-009/07:14:16.7		NOTE: End Block fsw_diag.mod		04-009/07:04:25.2
17418	M1O	04-009/07:15:00.0	14	End Post-Cal		
17419	M1O	04-009/07:17:02.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-009/07:07:10.8
17420	M1O	04-009/07:17:02.3	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17421	M1O	04-009/07:17:03.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-009/07:07:11.8
17422	M1O	04-009/07:25:37.4		NOTE: Descending Node Crossing 9181		04-009/07:15:45.8
17423	M1O	04-009/07:54:56.6		NOTE: South Pole Crossing 9181		04-009/07:45:05.0
17424	M1O	04-009/07:55:34.6		NOTE: Periapsis 9181 ----------		04-009/07:45:42.9
17425	M1O	04-009/08:23:02.4		NOTE: Enter Solar Eclipse 9181		04-009/08:13:10.6
17426	M1O	04-009/08:24:14.1		NOTE: Ascending Node Crossing 9181		04-009/08:14:22.3
17427	M1O	04-009/08:43:00.9		NOTE: Exit Solar Eclipse 9181		04-009/08:33:09.1
17428	M1O	04-009/08:44:55.8		SPAWN, Engine = 65535, Parameters = 3, 00:30:35.235, 1	dpt	04-009/08:35:04.0
17429	M1O	04-009/08:44:57.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/08:35:06.1
17430	M1O	04-009/08:44:57.9	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17431	M1O	04-009/08:44:58.9		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-009/08:35:07.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
17432	M1O	04-009/08:45:57.8		NOTE: ENTER HGA KEEP OUT ZONE		
17433	M1O	04-009/08:45:57.8	43	NOTE: Loss Of X-Band Signal		
17434	M1O	04-009/08:52:48.3		NOTE: Enter Planetary Atmosphere 9181		04-009/08:42:56.5
17435	M1O	04-009/08:54:12.3		NOTE: North Pole Crossing 9181		04-009/08:44:20.4
17436	M1O	04-009/08:54:36.8		NOTE: Enter Earth Occultation 9181		04-009/08:44:45.0
17437	M1O	04-009/08:55:20.0		NOTE: Apoapsis 9181 -		04-009/08:45:28.2
17438	M1O	04-009/09:02:37.8		NOTE: EXIT HGA KEEP OUT ZONE		
17439	M1O	04-009/09:10:33.1		NOTE: Exit Earth Occultation 9181		04-009/09:00:41.2
17440	M1O	04-009/09:10:33.1	43	Acquisition Of X-Band Signal		
17441	M1O	04-009/09:10:33.1	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17442	M1O	04-009/09:12:22.8		NOTE: Exit Planetary Atmosphere 9181		04-009/09:02:30.8
17443	M1O	04-009/09:14:19.9		SPAWN, Engine = 65535, Parameters = 009, 01, TRUE, 00:19:07, 254, FALSE, 32_KPS, 00:05:00, 00:00:00	uhf	04-009/09:04:28.0
17444	M1O	04-009/09:14:21.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-009/09:04:29.1
17445	M1O	04-009/09:14:23.0		CALL, Engine = , Parameters = 254	get_cmd_opt	04-009/09:04:31.1
17446	M1O	04-009/09:14:23.3		CALL, Engine = , Parameters = 009, 01, 254	bld_autosw	04-009/09:04:31.4
17447	M1O	04-009/09:14:24.4		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-009/09:04:32.5
17448	M1O	04-009/09:14:25.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/09:04:33.6
17449	M1O	04-009/09:14:26.5		Deletes the designated file.: d:/dat/254_doy009_pass01_file01.dat	FILE_DELETE	04-009/09:04:34.6
17450	M1O	04-009/09:14:27.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/09:04:35.7
17451	M1O	04-009/09:14:28.6		Deletes the designated file.: d:/dat/254_doy009_pass01_file02.dat	FILE_DELETE	04-009/09:04:36.7
17452	M1O	04-009/09:14:29.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/09:04:37.8
17453	M1O	04-009/09:14:30.7		Deletes the designated file.: d:/dat/254_doy009_pass01_file03.dat	FILE_DELETE	04-009/09:04:38.8
17454	M1O	04-009/09:14:31.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/09:04:39.9
17455	M1O	04-009/09:14:32.8		Deletes the designated file.: d:/dat/254_doy009_pass01_file04.dat	FILE_DELETE	04-009/09:04:40.9
17456	M1O	04-009/09:14:33.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/09:04:42.0
17457	M1O	04-009/09:14:34.9		Deletes the designated file.: d:/dat/254_doy009_pass01_file05.dat	FILE_DELETE	04-009/09:04:43.0
17458	M1O	04-009/09:14:36.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/09:04:44.1
17459	M1O	04-009/09:14:37.0		Deletes the designated file.: d:/dat/254_doy009_pass01_file06.dat	FILE_DELETE	04-009/09:04:45.1
17460	M1O	04-009/09:14:38.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/09:04:46.2
17461	M1O	04-009/09:14:39.1		Deletes the designated file.: d:/dat/254_doy009_pass01_file07.dat	FILE_DELETE	04-009/09:04:47.2
17462	M1O	04-009/09:14:40.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/09:04:48.3
17463	M1O	04-009/09:14:41.2		Deletes the designated file.: d:/dat/254_doy009_pass01_file08.dat	FILE_DELETE	04-009/09:04:49.3
17464	M1O	04-009/09:14:42.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/09:04:50.4
17465	M1O	04-009/09:14:43.3		Deletes the designated file.: d:/dat/254_doy009_pass01_file09.dat	FILE_DELETE	04-009/09:04:51.4
17466	M1O	04-009/09:14:44.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/09:04:52.5
17467	M1O	04-009/09:14:45.4		Deletes the designated file.: d:/dat/254_doy009_pass01_file10.dat	FILE_DELETE	04-009/09:04:53.5
17468	M1O	04-009/09:14:46.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/09:04:54.6
17469	M1O	04-009/09:14:47.5		Deletes the designated file.: d:/dat/254_doy009_pass01_file11.dat	FILE_DELETE	04-009/09:04:55.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17470	M1O	04-009/09:14:48.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/09:04:56.7
17471	M1O	04-009/09:14:49.6		Deletes the designated file.: d:/dat/254_doy009_pass01_file12.dat	FILE_DELETE	04-009/09:04:57.7
17472	M1O	04-009/09:14:50.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/09:04:58.8
17473	M1O	04-009/09:14:51.7		Deletes the designated file.: d:/dat/254_doy009_pass01_file13.dat	FILE_DELETE	04-009/09:04:59.8
17474	M1O	04-009/09:14:52.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/09:05:00.9
17475	M1O	04-009/09:14:53.8		Deletes the designated file.: d:/dat/254_doy009_pass01_file14.dat	FILE_DELETE	04-009/09:05:01.9
17476	M1O	04-009/09:14:54.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/09:05:03.0
17477	M1O	04-009/09:14:55.9		Deletes the designated file.: d:/dat/254_doy009_pass01_file15.dat	FILE_DELETE	04-009/09:05:04.0
17478	M1O	04-009/09:14:57.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/09:05:05.1
17479	M1O	04-009/09:14:58.0		Deletes the designated file.: d:/dat/254_doy009_pass01_file16.dat	FILE_DELETE	04-009/09:05:06.1
17480	M1O	04-009/09:14:59.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/09:05:07.2
17481	M1O	04-009/09:15:00.1		Deletes the designated file.: d:/dat/254_doy009_pass01_file17.dat	FILE_DELETE	04-009/09:05:08.2
17482	M1O	04-009/09:15:01.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/09:05:09.3
17483	M1O	04-009/09:15:02.2		Deletes the designated file.: d:/dat/254_doy009_pass01_file18.dat	FILE_DELETE	04-009/09:05:10.3
17484	M1O	04-009/09:15:03.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/09:05:11.4
17485	M1O	04-009/09:15:04.3		Deletes the designated file.: d:/dat/254_doy009_pass01_file19.dat	FILE_DELETE	04-009/09:05:12.4
17486	M1O	04-009/09:15:05.3		CALL, Engine = , Parameters = 254	get_apid	04-009/09:05:13.4
17487	M1O	04-009/09:15:06.4		CALL, Engine = , Parameters = 254	get_rcv_mode	04-009/09:05:14.5
17488	M1O	04-009/09:15:06.6		CALL, Engine = , Parameters = 254	get_dl_rate	04-009/09:05:14.7
17489	M1O	04-009/09:15:07.7		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-009/09:05:15.8
17490	M1O	04-009/09:15:09.0		CALL, Engine = , Parameters = 254	get_coding	04-009/09:05:17.1
17491	M1O	04-009/09:15:10.2		CALL, Engine = , Parameters = 254	get_xmt_mode	04-009/09:05:18.3
17492	M1O	04-009/09:15:11.4		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-009/09:05:19.5
17493	M1O	04-009/09:15:33.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-009/09:05:41.3
17494	M1O	04-009/09:15:33.2	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17495	M1O	04-009/09:15:34.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/09:05:42.3
17496	M1O	04-009/09:15:34.2	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17497	M1O	04-009/09:15:34.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-009/09:05:42.3
17498	M1O	04-009/09:16:16.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-009/09:06:24.3
17499	M1O	04-009/09:16:17.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-009/09:06:25.3
17500	M1O	04-009/09:16:18.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-009/09:06:26.3
17501	M1O	04-009/09:16:19.2		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-009/09:06:27.3
17502	M1O	04-009/09:16:20.2		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-009/09:06:28.3
17503	M1O	04-009/09:16:21.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-009/09:06:29.3
17504	M1O	04-009/09:16:22.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-009/09:06:30.3
17505	M1O	04-009/09:21:12.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/09:11:20.3
17506	M1O	04-009/09:21:22.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-009/09:11:30.3
17507	M1O	04-009/09:24:12.9		NOTE: Descending Node Crossing 9182		04-009/09:14:21.0
17508	M1O	04-009/09:35:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17509	M1O	04-009/09:35:27.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-009/09:25:35.3
17510	M1O	04-009/09:35:28.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-009/09:25:36.4
17511	M1O	04-009/09:35:38.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-009/09:25:46.4
17512	M1O	04-009/09:35:39.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-009/09:25:47.4
17513	M1O	04-009/09:35:40.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-009/09:25:48.4
17514	M1O	04-009/09:35:40.3	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17515	M1O	04-009/09:35:41.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-009/09:25:49.4
17516	M1O	04-009/09:40:00.0	43	Range Modulation On: SUP=3.0dB		
17517	M1O	04-009/09:40:40.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-009/09:30:48.0
17518	M1O	04-009/09:40:40.0	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17519	M1O	04-009/09:41:00.0	43	Begin Ranging Acquisition		
17520	M1O	04-009/09:53:33.4		NOTE: South Pole Crossing 9182		04-009/09:43:41.4
17521	M1O	04-009/09:53:41.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-009/09:43:49.2
17522	M1O	04-009/09:53:43.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/09:43:51.3
17523	M1O	04-009/09:53:43.3	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17524	M1O	04-009/09:53:44.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-009/09:43:52.3
17525	M1O	04-009/09:54:33.6		NOTE: Periapsis 9182 ----------		04-009/09:44:41.6
17526	M1O	04-009/09:54:43.9	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17527	M1O	04-009/09:59:43.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-009/09:49:51.3
17528	M1O	04-009/09:59:43.3	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17529	M1O	04-009/09:59:44.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-009/09:49:52.3
17530	M1O	04-009/10:09:48.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
17531	M1O	04-009/10:19:48.0	43	Range Modulation Off		
17532	M1O	04-009/10:21:38.8		NOTE: Enter Solar Eclipse 9182		04-009/10:11:46.7
17533	M1O	04-009/10:22:51.3		NOTE: Ascending Node Crossing 9182		04-009/10:12:59.2
17534	M1O	04-009/10:24:48.0	43	X-Band Transmitter Off		
17535	M1O	04-009/10:41:37.3		NOTE: Exit Solar Eclipse 9182		04-009/10:31:45.1
17536	M1O	04-009/10:43:29.4		SPAWN, Engine = 65535, Parameters = 3, 00:31:07, 1	dpt	04-009/10:33:37.2
17537	M1O	04-009/10:43:31.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/10:33:39.3
17538	M1O	04-009/10:43:31.5	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17539	M1O	04-009/10:43:32.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-009/10:33:40.3
17540	M1O	04-009/10:44:32.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17541	M1O	04-009/10:44:33.2		NOTE: ENTER HGA KEEP OUT ZONE		
17542	M1O	04-009/10:44:33.2	43	NOTE: Loss Of X-Band Signal		
17543	M1O	04-009/10:49:55.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17544	M1O	04-009/10:51:25.5		NOTE: Enter Planetary Atmosphere 9182		04-009/10:41:33.3
17545	M1O	04-009/10:52:49.0		NOTE: North Pole Crossing 9182		04-009/10:42:56.7
17546	M1O	04-009/10:53:14.4		NOTE: Enter Earth Occultation 9182		04-009/10:43:22.1
17547	M1O	04-009/10:54:26.6		NOTE: Apoapsis 9182 -		04-009/10:44:34.3
17548	M1O	04-009/10:54:55.0	43	Range Modulation On: SUP=3.0dB		
17549	M1O	04-009/10:55:55.0	43	Begin Ranging Acquisition		
17550	M1O	04-009/11:01:13.2		NOTE: EXIT HGA KEEP OUT ZONE		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17551	M1O	04-009/11:09:07.2		NOTE: Exit Earth Occultation 9182		04-009/10:59:14.9
17552	M1O	04-009/11:09:07.2	43	Acquisition Of X-Band Signal		
17553	M1O	04-009/11:09:07.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17554	M1O	04-009/11:09:39.4	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17555	M1O	04-009/11:10:57.2		NOTE: Exit Planetary Atmosphere 9182		04-009/11:01:04.9
17556	M1O	04-009/11:14:38.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-009/11:04:46.3
17557	M1O	04-009/11:14:38.6	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17558	M1O	04-009/11:14:39.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-009/11:04:47.3
17559	M1O	04-009/11:16:31.3		SPAWN, Engine = 65535, Parameters = 009, 02, FALSE, 00:10:23.844, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-009/11:06:39.0
17560	M1O	04-009/11:16:32.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-009/11:06:40.1
17561	M1O	04-009/11:16:34.4		CALL, Engine = , Parameters = 254	get_cmd_opt	04-009/11:06:42.1
17562	M1O	04-009/11:17:16.6		CALL, Engine = , Parameters = 254	get_apid	04-009/11:07:24.3
17563	M1O	04-009/11:17:17.7		CALL, Engine = , Parameters = 254	get_rcv_mode	04-009/11:07:25.4
17564	M1O	04-009/11:17:17.9		CALL, Engine = , Parameters = 254	get_dl_rate	04-009/11:07:25.6
17565	M1O	04-009/11:17:19.0		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-009/11:07:26.7
17566	M1O	04-009/11:17:20.3		CALL, Engine = , Parameters = 254	get_coding	04-009/11:07:28.0
17567	M1O	04-009/11:17:21.5		CALL, Engine = , Parameters = 254	get_xmt_mode	04-009/11:07:29.2
17568	M1O	04-009/11:17:22.7		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-009/11:07:30.4
17569	M1O	04-009/11:18:27.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-009/11:08:35.2
17570	M1O	04-009/11:18:28.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-009/11:08:36.2
17571	M1O	04-009/11:18:29.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-009/11:08:37.2
17572	M1O	04-009/11:18:30.5		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-009/11:08:38.2
17573	M1O	04-009/11:18:31.5		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-009/11:08:39.2
17574	M1O	04-009/11:18:32.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-009/11:08:40.2
17575	M1O	04-009/11:18:33.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-009/11:08:41.2
17576	M1O	04-009/11:22:49.7		NOTE: Descending Node Crossing 9183		04-009/11:12:57.3
17577	M1O	04-009/11:28:53.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-009/11:19:01.0
17578	M1O	04-009/11:28:54.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-009/11:19:02.1
17579	M1O	04-009/11:29:04.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-009/11:19:12.1
17580	M1O	04-009/11:29:05.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-009/11:19:13.1
17581	M1O	04-009/11:52:10.3		NOTE: South Pole Crossing 9183		04-009/11:42:17.9
17582	M1O	04-009/11:53:32.1		NOTE: Periapsis 9183 ----------		04-009/11:43:39.7
17583	M1O	04-009/12:00:14.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
17584	M1O	04-009/12:10:14.0	43	Range Modulation Off		
17585	M1O	04-009/12:15:14.0	43	X-Band Transmitter Off		
17586	M1O	04-009/12:15:14.9	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
17587	M1O	04-009/12:20:13.0		NOTE: Enter Solar Eclipse 9183		04-009/12:10:20.5
17588	M1O	04-009/12:21:27.6		NOTE: Ascending Node Crossing 9183		04-009/12:11:35.1
17589	M1O	04-009/12:26:48.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-009/12:16:56.0
17590	M1O	04-009/12:27:04.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-007T12:16:56.100, 2004-009T12:16:56.100	PCKTS_RE_TX_TIME	04-009/12:17:11.8
17591	M1O	04-009/12:27:05.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-007T12:16:56.100, 2004-009T12:16:56.100	PCKTS_RE_TX_TIME	04-009/12:17:12.8
17592	M1O	04-009/12:27:06.3		Queues in the retransmit buffer, by time range, designated packet from the specified	PCKTS_RE_TX_TIME	04-009/12:17:13.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 5, 2004-007T12:16:56.100, 2004-009T12:16:56.100		
17593	M1O	04-009/12:27:07.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-007T12:16:56.100, 2004-009T12:16:56.100	PCKTS_RE_TX_TIME	04-009/12:17:14.8
17594	M1O	04-009/12:27:08.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-007T12:16:56.100, 2004-009T12:16:56.100	PCKTS_RE_TX_TIME	04-009/12:17:15.8
17595	M1O	04-009/12:27:09.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-007T12:16:56.100, 2004-009T12:16:56.100	PCKTS_RE_TX_TIME	04-009/12:17:16.8
17596	M1O	04-009/12:27:09.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-009/12:17:16.8
17597	M1O	04-009/12:27:09.3	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17598	M1O	04-009/12:34:10.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/12:24:17.8
17599	M1O	04-009/12:34:10.3	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17600	M1O	04-009/12:34:11.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-009/12:24:18.8
17601	M1O	04-009/12:34:27.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-009/12:24:34.8
17602	M1O	04-009/12:34:27.3	43	D/L RF Warning: SC antenna change - expect signal level variation		
17603	M1O	04-009/12:34:28.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-009/12:24:35.8
17604	M1O	04-009/12:34:58.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17605	M1O	04-009/12:35:00.0	43	End Tracking		
17606	M1O	04-009/12:40:14.5		NOTE: Exit Solar Eclipse 9183		04-009/12:30:21.9
17607	M1O	04-009/12:43:29.5		NOTE: ENTER HGA KEEP OUT ZONE		
17608	M1O	04-009/12:50:00.0	43	End Post-Cal		
17609	M1O	04-009/12:50:00.2		NOTE: Enter Planetary Atmosphere 9183		04-009/12:40:07.6
17610	M1O	04-009/12:51:25.2		NOTE: North Pole Crossing 9183		04-009/12:41:32.6
17611	M1O	04-009/12:51:49.0		NOTE: Enter Earth Occultation 9183		04-009/12:41:56.4
17612	M1O	04-009/12:53:19.4		NOTE: Apoapsis 9183 -		04-009/12:43:26.8
17613	M1O	04-009/12:59:49.6		NOTE: EXIT HGA KEEP OUT ZONE		
17614	M1O	04-009/13:07:43.5		NOTE: Exit Earth Occultation 9183		04-009/12:57:50.8
17615	M1O	04-009/13:09:33.3		NOTE: Exit Planetary Atmosphere 9183		04-009/12:59:40.7
17616	M1O	04-009/13:21:26.1		NOTE: Descending Node Crossing 9184		04-009/13:11:33.4
17617	M1O	04-009/13:40:00.0	63	Begin Pre-Cal		
17618	M1O	04-009/13:40:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17619	M1O	04-009/13:40:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17620	M1O	04-009/13:40:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17621	M1O	04-009/13:40:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17622	M1O	04-009/13:40:00.0	63	At BOT: S/C Tlm Mode: BR=0.0, FL=10112, SC=375KHZ, MI=71.7		
17623	M1O	04-009/13:40:00.0	63	Config: RCV: Parms:		
17624	M1O	04-009/13:40:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17625	M1O	04-009/13:40:00.0	63	Config: TGC: BAND=X, SR=0.000000		
17626	M1O	04-009/13:40:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
17627	M1O	04-009/13:50:45.8		NOTE: South Pole Crossing 9184		04-009/13:40:53.0
17628	M1O	04-009/13:52:10.6		NOTE: Periapsis 9184 ----------		04-009/13:42:17.8
17629	M1O	04-009/14:18:44.9		NOTE: Enter Solar Eclipse 9184		04-009/14:08:52.0
17630	M1O	04-009/14:20:01.8		NOTE: Ascending Node Crossing 9184		04-009/14:10:08.9
17631	M1O	04-009/14:38:50.6		NOTE: Exit Solar Eclipse 9184		04-009/14:28:57.7
17632	M1O	04-009/14:41:45.9		NOTE: ENTER HGA KEEP OUT ZONE		
17633	M1O	04-009/14:48:30.6		NOTE: Enter Planetary Atmosphere 9184		04-009/14:38:37.6
17634	M1O	04-009/14:49:59.2		NOTE: North Pole Crossing 9184		04-009/14:40:06.2
17635	M1O	04-009/14:50:18.7		NOTE: Enter Earth Occultation 9184		04-009/14:40:25.7
17636	M1O	04-009/14:51:43.8		NOTE: Apoapsis 9184 -		04-009/14:41:50.8
17637	M1O	04-009/14:58:17.9		SPAWN, Engine = 65535, Parameters = 009, 03, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-009/14:48:25.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17638	M1O	04-009/14:58:19.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-009/14:48:26.1
17639	M1O	04-009/14:58:21.0		CALL, Engine = , Parameters = 56	get_cmd_opt	04-009/14:48:28.1
17640	M1O	04-009/14:58:21.3		CALL, Engine = , Parameters = 009, 03, 056	bld_autosw	04-009/14:48:28.4
17641	M1O	04-009/14:58:22.4		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-009/14:48:29.5
17642	M1O	04-009/14:58:23.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/14:48:30.6
17643	M1O	04-009/14:58:24.5		Deletes the designated file.: d:/dat/056_doy009_pass03_file01.dat	FILE_DELETE	04-009/14:48:31.6
17644	M1O	04-009/14:58:25.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/14:48:32.7
17645	M1O	04-009/14:58:25.9		NOTE: EXIT HGA KEEP OUT ZONE		
17646	M1O	04-009/14:58:26.6		Deletes the designated file.: d:/dat/056_doy009_pass03_file02.dat	FILE_DELETE	04-009/14:48:33.7
17647	M1O	04-009/14:58:27.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/14:48:34.8
17648	M1O	04-009/14:58:28.7		Deletes the designated file.: d:/dat/056_doy009_pass03_file03.dat	FILE_DELETE	04-009/14:48:35.8
17649	M1O	04-009/14:58:29.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/14:48:36.9
17650	M1O	04-009/14:58:30.8		Deletes the designated file.: d:/dat/056_doy009_pass03_file04.dat	FILE_DELETE	04-009/14:48:37.9
17651	M1O	04-009/14:58:31.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/14:48:39.0
17652	M1O	04-009/14:58:32.9		Deletes the designated file.: d:/dat/056_doy009_pass03_file05.dat	FILE_DELETE	04-009/14:48:40.0
17653	M1O	04-009/14:58:34.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/14:48:41.1
17654	M1O	04-009/14:58:35.0		Deletes the designated file.: d:/dat/056_doy009_pass03_file06.dat	FILE_DELETE	04-009/14:48:42.1
17655	M1O	04-009/14:58:36.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/14:48:43.2
17656	M1O	04-009/14:58:37.1		Deletes the designated file.: d:/dat/056_doy009_pass03_file07.dat	FILE_DELETE	04-009/14:48:44.2
17657	M1O	04-009/14:58:38.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/14:48:45.3
17658	M1O	04-009/14:58:39.2		Deletes the designated file.: d:/dat/056_doy009_pass03_file08.dat	FILE_DELETE	04-009/14:48:46.3
17659	M1O	04-009/14:58:40.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/14:48:47.4
17660	M1O	04-009/14:58:41.4		Deletes the designated file.: d:/dat/056_doy009_pass03_file09.dat	FILE_DELETE	04-009/14:48:48.4
17661	M1O	04-009/14:58:42.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/14:48:49.5
17662	M1O	04-009/14:58:43.5		Deletes the designated file.: d:/dat/056_doy009_pass03_file10.dat	FILE_DELETE	04-009/14:48:50.5
17663	M1O	04-009/14:58:44.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/14:48:51.6
17664	M1O	04-009/14:58:45.6		Deletes the designated file.: d:/dat/056_doy009_pass03_file11.dat	FILE_DELETE	04-009/14:48:52.6
17665	M1O	04-009/14:58:46.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/14:48:53.7
17666	M1O	04-009/14:58:47.7		Deletes the designated file.: d:/dat/056_doy009_pass03_file12.dat	FILE_DELETE	04-009/14:48:54.7
17667	M1O	04-009/14:58:48.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/14:48:55.8
17668	M1O	04-009/14:58:49.8		Deletes the designated file.: d:/dat/056_doy009_pass03_file13.dat	FILE_DELETE	04-009/14:48:56.8
17669	M1O	04-009/14:58:50.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/14:48:57.9
17670	M1O	04-009/14:58:51.9		Deletes the designated file.: d:/dat/056_doy009_pass03_file14.dat	FILE_DELETE	04-009/14:48:58.9
17671	M1O	04-009/14:58:53.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/14:49:00.0
17672	M1O	04-009/14:58:54.0		Deletes the designated file.: d:/dat/056_doy009_pass03_file15.dat	FILE_DELETE	04-009/14:49:01.0
17673	M1O	04-009/14:58:55.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/14:49:02.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17674	M1O	04-009/14:58:56.1		Deletes the designated file.: d:/dat/056_doy009_pass03_file16.dat	FILE_DELETE	04-009/14:49:03.1
17675	M1O	04-009/14:58:57.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/14:49:04.2
17676	M1O	04-009/14:58:58.2		Deletes the designated file.: d:/dat/056_doy009_pass03_file17.dat	FILE_DELETE	04-009/14:49:05.2
17677	M1O	04-009/14:58:59.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/14:49:06.3
17678	M1O	04-009/14:59:00.3		Deletes the designated file.: d:/dat/056_doy009_pass03_file18.dat	FILE_DELETE	04-009/14:49:07.3
17679	M1O	04-009/14:59:01.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy009_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/14:49:08.4
17680	M1O	04-009/14:59:02.4		Deletes the designated file.: d:/dat/056_doy009_pass03_file19.dat	FILE_DELETE	04-009/14:49:09.4
17681	M1O	04-009/14:59:03.4		CALL, Engine = , Parameters = 56	get_apid	04-009/14:49:10.4
17682	M1O	04-009/14:59:04.5		CALL, Engine = , Parameters = 56	get_rcv_mode	04-009/14:49:11.5
17683	M1O	04-009/14:59:04.7		CALL, Engine = , Parameters = 56	get_dl_rate	04-009/14:49:11.7
17684	M1O	04-009/14:59:05.8		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-009/14:49:12.8
17685	M1O	04-009/14:59:07.0		CALL, Engine = , Parameters = 56	get_coding	04-009/14:49:14.0
17686	M1O	04-009/14:59:08.2		CALL, Engine = , Parameters = 56	get_xmt_mode	04-009/14:49:15.2
17687	M1O	04-009/14:59:09.4		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-009/14:49:16.4
17688	M1O	04-009/15:00:14.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-009/14:50:21.2
17689	M1O	04-009/15:00:15.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-009/14:50:22.2
17690	M1O	04-009/15:00:16.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-009/14:50:23.2
17691	M1O	04-009/15:00:17.2		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-009/14:50:24.2
17692	M1O	04-009/15:00:18.2		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-009/14:50:25.2
17693	M1O	04-009/15:00:19.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-009/14:50:26.2
17694	M1O	04-009/15:00:20.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-009/14:50:27.2
17695	M1O	04-009/15:02:10.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/14:52:17.2
17696	M1O	04-009/15:02:20.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-009/14:52:27.2
17697	M1O	04-009/15:06:20.3		NOTE: Exit Earth Occultation 9184		04-009/14:56:27.2
17698	M1O	04-009/15:08:09.5		NOTE: Exit Planetary Atmosphere 9184		04-009/14:58:16.5
17699	M1O	04-009/15:09:35.5		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-009/14:59:42.5
17700	M1O	04-009/15:09:35.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/14:59:42.6
17701	M1O	04-009/15:09:36.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-009/14:59:43.6
17702	M1O	04-009/15:09:37.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-009/14:59:44.6
17703	M1O	04-009/15:09:38.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-009/14:59:45.6
17704	M1O	04-009/15:09:39.6		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-009/14:59:46.6
17705	M1O	04-009/15:09:49.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-009/14:59:56.6
17706	M1O	04-009/15:09:59.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-009/15:00:06.6
17707	M1O	04-009/15:10:00.0	63	Begin Tracking		
17708	M1O	04-009/15:10:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17709	M1O	04-009/15:14:59.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-009/15:05:06.6
17710	M1O	04-009/15:15:00.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-009/15:05:07.6
17711	M1O	04-009/15:15:00.6	63	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17712	M1O	04-009/15:15:01.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/15:05:08.6
17713	M1O	04-009/15:15:01.6	63	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17714	M1O	04-009/15:15:01.6		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-009/15:05:08.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17715	M1O	04-009/15:19:59.8		NOTE: Descending Node Crossing 9185		04-009/15:10:06.7
17716	M1O	04-009/15:32:18.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-009/15:22:25.2
17717	M1O	04-009/15:32:19.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-009/15:22:26.3
17718	M1O	04-009/15:32:29.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-009/15:22:36.3
17719	M1O	04-009/15:32:30.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-009/15:22:37.3
17720	M1O	04-009/15:32:31.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-009/15:22:38.3
17721	M1O	04-009/15:32:31.4	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17722	M1O	04-009/15:32:32.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-009/15:22:39.3
17723	M1O	04-009/15:37:31.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-009/15:27:38.0
17724	M1O	04-009/15:37:31.1	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17725	M1O	04-009/15:49:18.2		NOTE: South Pole Crossing 9185		04-009/15:39:25.1
17726	M1O	04-009/15:50:24.7		NOTE: Periapsis 9185 ----------		04-009/15:40:31.6
17727	M1O	04-009/16:17:16.7		NOTE: Enter Solar Eclipse 9185		04-009/16:07:23.5
17728	M1O	04-009/16:18:33.7		NOTE: Ascending Node Crossing 9185		04-009/16:08:40.4
17729	M1O	04-009/16:37:24.1		NOTE: Exit Solar Eclipse 9185		04-009/16:27:30.8
17730	M1O	04-009/16:39:17.3		SPAWN, Engine = 65535, Parameters = 3, 00:30:34.402, 1	dpt	04-009/16:29:24.0
17731	M1O	04-009/16:39:19.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/16:29:26.1
17732	M1O	04-009/16:39:19.4	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17733	M1O	04-009/16:39:20.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-009/16:29:27.1
17734	M1O	04-009/16:40:19.3		NOTE: ENTER HGA KEEP OUT ZONE		
17735	M1O	04-009/16:40:19.3	63	NOTE: Loss Of X-Band Signal		
17736	M1O	04-009/16:46:58.3		NOTE: Enter Planetary Atmosphere 9185		04-009/16:37:04.9
17737	M1O	04-009/16:48:30.5		NOTE: North Pole Crossing 9185		04-009/16:38:37.2
17738	M1O	04-009/16:48:45.8		NOTE: Enter Earth Occultation 9185		04-009/16:38:52.4
17739	M1O	04-009/16:49:57.7		NOTE: Apoapsis 9185 -		04-009/16:40:04.4
17740	M1O	04-009/16:56:59.3		NOTE: EXIT HGA KEEP OUT ZONE		
17741	M1O	04-009/17:04:53.7		NOTE: Exit Earth Occultation 9185		04-009/16:55:00.4
17742	M1O	04-009/17:04:53.7	63	Acquisition Of X-Band Signal		
17743	M1O	04-009/17:04:53.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17744	M1O	04-009/17:05:14.3		SPAWN, Engine = 65535, Parameters = 009, 04, FALSE, 00:11:37.483, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-009/16:55:21.0
17745	M1O	04-009/17:05:15.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-009/16:55:22.1
17746	M1O	04-009/17:05:17.4		CALL, Engine = , Parameters = 56	get_cmd_opt	04-009/16:55:24.1
17747	M1O	04-009/17:05:59.6		CALL, Engine = , Parameters = 56	get_apid	04-009/16:56:06.3
17748	M1O	04-009/17:06:00.7		CALL, Engine = , Parameters = 56	get_rcv_mode	04-009/16:56:07.4
17749	M1O	04-009/17:06:00.9		CALL, Engine = , Parameters = 56	get_dl_rate	04-009/16:56:07.6
17750	M1O	04-009/17:06:02.0		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-009/16:56:08.7
17751	M1O	04-009/17:06:03.2		CALL, Engine = , Parameters = 56	get_coding	04-009/16:56:09.9
17752	M1O	04-009/17:06:04.4		CALL, Engine = , Parameters = 56	get_xmt_mode	04-009/16:56:11.1
17753	M1O	04-009/17:06:05.6		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-009/16:56:12.3
17754	M1O	04-009/17:06:42.4		NOTE: Exit Planetary Atmosphere 9185		04-009/16:56:49.0
17755	M1O	04-009/17:07:10.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-009/16:57:17.1
17756	M1O	04-009/17:07:11.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-009/16:57:18.1
17757	M1O	04-009/17:07:12.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-009/16:57:19.1
17758	M1O	04-009/17:07:13.5		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-009/16:57:20.1
17759	M1O	04-009/17:07:14.5		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-009/16:57:21.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17760	M1O	04-009/17:07:15.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-009/16:57:22.1
17761	M1O	04-009/17:07:16.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-009/16:57:23.1
17762	M1O	04-009/17:09:53.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-009/17:00:00.5
17763	M1O	04-009/17:09:53.9	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17764	M1O	04-009/17:09:54.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-009/17:00:01.5
17765	M1O	04-009/17:18:30.1		NOTE: Descending Node Crossing 9186		04-009/17:08:36.7
17766	M1O	04-009/17:18:50.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-009/17:08:56.5
17767	M1O	04-009/17:18:51.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-009/17:08:57.6
17768	M1O	04-009/17:19:01.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-009/17:09:07.6
17769	M1O	04-009/17:19:02.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-009/17:09:08.6
17770	M1O	04-009/17:47:48.8		NOTE: South Pole Crossing 9186		04-009/17:37:55.3
17771	M1O	04-009/17:48:41.3		NOTE: Periapsis 9186 ----------		04-009/17:38:47.8
17772	M1O	04-009/18:15:00.0	14	Begin Pre-Cal		
17773	M1O	04-009/18:15:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17774	M1O	04-009/18:15:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17775	M1O	04-009/18:15:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17776	M1O	04-009/18:15:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17777	M1O	04-009/18:15:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17778	M1O	04-009/18:15:00.0	14	Config: RCV: Parms:		
17779	M1O	04-009/18:15:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17780	M1O	04-009/18:15:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
17781	M1O	04-009/18:15:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
17782	M1O	04-009/18:15:49.6		NOTE: Enter Solar Eclipse 9186		04-009/18:05:56.0
17783	M1O	04-009/18:17:05.3		NOTE: Ascending Node Crossing 9186		04-009/18:07:11.6
17784	M1O	04-009/18:35:52.8		NOTE: Exit Solar Eclipse 9186		04-009/18:25:59.2
17785	M1O	04-009/18:37:47.6		SPAWN, Engine = 65535, Parameters = 3, 00:30:31.529, 1	dpt	04-009/18:27:54.0
17786	M1O	04-009/18:37:49.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/18:27:56.1
17787	M1O	04-009/18:37:49.7	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17788	M1O	04-009/18:37:50.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-009/18:27:57.1
17789	M1O	04-009/18:38:49.6		NOTE: ENTER HGA KEEP OUT ZONE		
17790	M1O	04-009/18:38:49.6	63	NOTE: Loss Of X-Band Signal		
17791	M1O	04-009/18:45:33.4		NOTE: Enter Planetary Atmosphere 9186		04-009/18:35:39.6
17792	M1O	04-009/18:47:02.2		NOTE: North Pole Crossing 9186		04-009/18:37:08.5
17793	M1O	04-009/18:47:21.7		NOTE: Enter Earth Occultation 9186		04-009/18:37:28.0
17794	M1O	04-009/18:48:32.4		NOTE: Apoapsis 9186 -		04-009/18:38:38.7
17795	M1O	04-009/18:55:29.7		NOTE: EXIT HGA KEEP OUT ZONE		
17796	M1O	04-009/19:03:21.2		NOTE: Exit Earth Occultation 9186		04-009/18:53:27.5
17797	M1O	04-009/19:03:21.2	63	Acquisition Of X-Band Signal		
17798	M1O	04-009/19:03:21.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17799	M1O	04-009/19:05:10.8		NOTE: Exit Planetary Atmosphere 9186		04-009/18:55:17.0
17800	M1O	04-009/19:08:21.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-009/18:58:27.6
17801	M1O	04-009/19:08:21.4	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17802	M1O	04-009/19:08:22.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-009/18:58:28.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17803	M1O	04-009/19:17:01.8		NOTE: Descending Node Crossing 9187		04-009/19:07:08.0
17804	M1O	04-009/19:46:21.3		NOTE: South Pole Crossing 9187		04-009/19:36:27.4
17805	M1O	04-009/19:47:14.3		NOTE: Periapsis 9187 ----------		04-009/19:37:20.4
17806	M1O	04-009/20:00:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17807	M1O	04-009/20:02:33.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
17808	M1O	04-009/20:05:00.0	63	Range Modulation On: SUP=3.0dB		
17809	M1O	04-009/20:06:00.0	63	Begin Ranging Acquisition		
17810	M1O	04-009/20:12:33.0	63	Range Modulation Off		
17811	M1O	04-009/20:14:23.8		NOTE: Enter Solar Eclipse 9187		04-009/20:04:29.9
17812	M1O	04-009/20:15:00.0	14	Begin Tracking		
17813	M1O	04-009/20:15:00.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17814	M1O	04-009/20:15:38.7		NOTE: Ascending Node Crossing 9187		04-009/20:05:44.7
17815	M1O	04-009/20:17:33.0	63	X-Band Transmitter Off		
17816	M1O	04-009/20:18:45.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-009/20:08:51.4
17817	M1O	04-009/20:18:47.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/20:08:53.5
17818	M1O	04-009/20:18:47.5	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17819	M1O	04-009/20:18:47.5	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17820	M1O	04-009/20:18:48.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-009/20:08:54.5
17821	M1O	04-009/20:19:47.8	14	Acquire D/L: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17822	M1O	04-009/20:19:47.8	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17823	M1O	04-009/20:24:47.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-009/20:14:53.5
17824	M1O	04-009/20:24:47.5	14	D/L Change: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17825	M1O	04-009/20:24:47.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17826	M1O	04-009/20:24:48.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-009/20:14:54.5
17827	M1O	04-009/20:34:21.0		NOTE: Exit Solar Eclipse 9187		04-009/20:24:26.9
17828	M1O	04-009/20:36:18.5		SPAWN, Engine = 65535, Parameters = 3, 00:31:00, 1	dpt	04-009/20:26:24.4
17829	M1O	04-009/20:36:20.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/20:26:26.5
17830	M1O	04-009/20:36:20.6	14	D/L Change: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17831	M1O	04-009/20:36:20.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17832	M1O	04-009/20:36:21.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-009/20:26:27.5
17833	M1O	04-009/20:37:20.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17834	M1O	04-009/20:37:20.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17835	M1O	04-009/20:37:22.0		NOTE: ENTER HGA KEEP OUT ZONE		
17836	M1O	04-009/20:37:22.0	14	NOTE: Loss Of X-Band Signal		
17837	M1O	04-009/20:37:22.0	63	NOTE: Loss Of X-Band Signal		
17838	M1O	04-009/20:42:33.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17839	M1O	04-009/20:44:15.9		NOTE: Enter Planetary Atmosphere 9187		04-009/20:34:21.8
17840	M1O	04-009/20:45:37.0		NOTE: North Pole Crossing 9187		04-009/20:35:42.9
17841	M1O	04-009/20:46:05.8		NOTE: Enter Earth Occultation 9187		04-009/20:36:11.7
17842	M1O	04-009/20:47:08.0		NOTE: Apoapsis 9187 -		04-009/20:37:13.9
17843	M1O	04-009/20:47:33.0	63	Range Modulation On: SUP=3.0dB		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17844	M1O	04-009/20:48:33.0	63	Begin Ranging Acquisition		
17845	M1O	04-009/20:53:42.1		NOTE: EXIT HGA KEEP OUT ZONE		
17846	M1O	04-009/21:01:49.5		NOTE: Exit Earth Occultation 9187		04-009/20:51:55.3
17847	M1O	04-009/21:01:49.5	14	Acquisition Of X-Band Signal		
17848	M1O	04-009/21:01:49.5	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17849	M1O	04-009/21:01:49.5	63	Acquisition Of X-Band Signal		
17850	M1O	04-009/21:01:49.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17851	M1O	04-009/21:02:21.1	14	Acquire D/L: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17852	M1O	04-009/21:02:21.1	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17853	M1O	04-009/21:03:40.5		NOTE: Exit Planetary Atmosphere 9187		04-009/20:53:46.4
17854	M1O	04-009/21:07:20.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-009/20:57:26.5
17855	M1O	04-009/21:07:20.7	14	D/L Change: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17856	M1O	04-009/21:07:20.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17857	M1O	04-009/21:07:21.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-009/20:57:27.5
17858	M1O	04-009/21:15:38.0		NOTE: Descending Node Crossing 9188		04-009/21:05:43.9
17859	M1O	04-009/21:44:57.5		NOTE: South Pole Crossing 9188		04-009/21:35:03.3
17860	M1O	04-009/21:45:55.1		NOTE: Periapsis 9188 ----------		04-009/21:36:00.9
17861	M1O	04-009/21:54:48.3		SPAWN, Engine = 65535, Parameters = 009, 03, TRUE, 00:19:14, 254, FALSE, 32_KPS, 00:05:00, 00:00:00	uhf	04-009/21:44:54.0
17862	M1O	04-009/21:54:48.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/21:44:54.5
17863	M1O	04-009/21:54:48.8	14	D/L Change: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17864	M1O	04-009/21:54:48.8	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17865	M1O	04-009/21:54:49.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-009/21:44:55.1
17866	M1O	04-009/21:54:51.4		CALL, Engine = , Parameters = 254	get_cmd_opt	04-009/21:44:57.1
17867	M1O	04-009/21:54:51.7		CALL, Engine = , Parameters = 009, 03, 254	bld_autosw	04-009/21:44:57.4
17868	M1O	04-009/21:54:52.8		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-009/21:44:58.5
17869	M1O	04-009/21:54:53.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/21:44:59.6
17870	M1O	04-009/21:54:54.9		Deletes the designated file.: d:/dat/254_doy009_pass03_file01.dat	FILE_DELETE	04-009/21:45:00.6
17871	M1O	04-009/21:54:56.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/21:45:01.7
17872	M1O	04-009/21:54:57.0		Deletes the designated file.: d:/dat/254_doy009_pass03_file02.dat	FILE_DELETE	04-009/21:45:02.7
17873	M1O	04-009/21:54:58.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/21:45:03.8
17874	M1O	04-009/21:54:59.1		Deletes the designated file.: d:/dat/254_doy009_pass03_file03.dat	FILE_DELETE	04-009/21:45:04.8
17875	M1O	04-009/21:55:00.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/21:45:05.9
17876	M1O	04-009/21:55:01.2		Deletes the designated file.: d:/dat/254_doy009_pass03_file04.dat	FILE_DELETE	04-009/21:45:06.9
17877	M1O	04-009/21:55:02.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/21:45:08.0
17878	M1O	04-009/21:55:03.3		Deletes the designated file.: d:/dat/254_doy009_pass03_file05.dat	FILE_DELETE	04-009/21:45:09.0
17879	M1O	04-009/21:55:04.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/21:45:10.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17880	M1O	04-009/21:55:05.4		Deletes the designated file.: d:/dat/254_doy009_pass03_file06.dat	FILE_DELETE	04-009/21:45:11.1
17881	M1O	04-009/21:55:06.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/21:45:12.2
17882	M1O	04-009/21:55:07.5		Deletes the designated file.: d:/dat/254_doy009_pass03_file07.dat	FILE_DELETE	04-009/21:45:13.2
17883	M1O	04-009/21:55:08.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/21:45:14.3
17884	M1O	04-009/21:55:09.6		Deletes the designated file.: d:/dat/254_doy009_pass03_file08.dat	FILE_DELETE	04-009/21:45:15.3
17885	M1O	04-009/21:55:10.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/21:45:16.4
17886	M1O	04-009/21:55:11.7		Deletes the designated file.: d:/dat/254_doy009_pass03_file09.dat	FILE_DELETE	04-009/21:45:17.4
17887	M1O	04-009/21:55:12.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/21:45:18.5
17888	M1O	04-009/21:55:13.8		Deletes the designated file.: d:/dat/254_doy009_pass03_file10.dat	FILE_DELETE	04-009/21:45:19.5
17889	M1O	04-009/21:55:14.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/21:45:20.6
17890	M1O	04-009/21:55:15.9		Deletes the designated file.: d:/dat/254_doy009_pass03_file11.dat	FILE_DELETE	04-009/21:45:21.6
17891	M1O	04-009/21:55:17.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/21:45:22.7
17892	M1O	04-009/21:55:18.0		Deletes the designated file.: d:/dat/254_doy009_pass03_file12.dat	FILE_DELETE	04-009/21:45:23.7
17893	M1O	04-009/21:55:19.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/21:45:24.8
17894	M1O	04-009/21:55:20.1		Deletes the designated file.: d:/dat/254_doy009_pass03_file13.dat	FILE_DELETE	04-009/21:45:25.8
17895	M1O	04-009/21:55:21.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/21:45:26.9
17896	M1O	04-009/21:55:22.2		Deletes the designated file.: d:/dat/254_doy009_pass03_file14.dat	FILE_DELETE	04-009/21:45:27.9
17897	M1O	04-009/21:55:23.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/21:45:29.0
17898	M1O	04-009/21:55:24.3		Deletes the designated file.: d:/dat/254_doy009_pass03_file15.dat	FILE_DELETE	04-009/21:45:30.0
17899	M1O	04-009/21:55:25.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/21:45:31.1
17900	M1O	04-009/21:55:26.4		Deletes the designated file.: d:/dat/254_doy009_pass03_file16.dat	FILE_DELETE	04-009/21:45:32.1
17901	M1O	04-009/21:55:27.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/21:45:33.2
17902	M1O	04-009/21:55:28.5		Deletes the designated file.: d:/dat/254_doy009_pass03_file17.dat	FILE_DELETE	04-009/21:45:34.2
17903	M1O	04-009/21:55:29.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/21:45:35.3
17904	M1O	04-009/21:55:30.6		Deletes the designated file.: d:/dat/254_doy009_pass03_file18.dat	FILE_DELETE	04-009/21:45:36.3
17905	M1O	04-009/21:55:31.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy009_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-009/21:45:37.4
17906	M1O	04-009/21:55:32.7		Deletes the designated file.: d:/dat/254_doy009_pass03_file19.dat	FILE_DELETE	04-009/21:45:38.4
17907	M1O	04-009/21:55:33.7		CALL, Engine = , Parameters = 254	get_apid	04-009/21:45:39.4
17908	M1O	04-009/21:55:34.8		CALL, Engine = , Parameters = 254	get_rcv_mode	04-009/21:45:40.5
17909	M1O	04-009/21:55:35.0		CALL, Engine = , Parameters = 254	get_dl_rate	04-009/21:45:40.7
17910	M1O	04-009/21:55:36.1		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-009/21:45:41.8
17911	M1O	04-009/21:55:37.4		CALL, Engine = , Parameters = 254	get_coding	04-009/21:45:43.1
17912	M1O	04-009/21:55:38.6		CALL, Engine = , Parameters = 254	get_xmt_mode	04-009/21:45:44.3
17913	M1O	04-009/21:55:39.8		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-009/21:45:45.5
17914	M1O	04-009/21:56:44.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-009/21:46:50.3
17915	M1O	04-009/21:56:45.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-009/21:46:51.3
17916	M1O	04-009/21:56:46.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-009/21:46:52.3
17917	M1O	04-009/21:56:47.6		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-009/21:46:53.3
17918	M1O	04-009/21:56:48.6		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-009/21:46:54.3
17919	M1O	04-009/21:56:49.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-009/21:46:55.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17920	M1O	04-009/21:56:50.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-009/21:46:56.3
17921	M1O	04-009/22:01:29.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
17922	M1O	04-009/22:01:40.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/21:51:46.3
17923	M1O	04-009/22:01:50.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-009/21:51:56.3
17924	M1O	04-009/22:11:29.0	63	Range Modulation Off		
17925	M1O	04-009/22:12:59.0		NOTE: Enter Solar Eclipse 9188		04-009/22:03:04.7
17926	M1O	04-009/22:14:14.5		NOTE: Ascending Node Crossing 9188		04-009/22:04:20.1
17927	M1O	04-009/22:16:02.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-009/22:06:08.3
17928	M1O	04-009/22:16:03.7		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-009/22:06:09.4
17929	M1O	04-009/22:16:13.7		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-009/22:06:19.4
17930	M1O	04-009/22:16:14.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-009/22:06:20.4
17931	M1O	04-009/22:16:15.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-009/22:06:21.4
17932	M1O	04-009/22:16:15.7	14	D/L Change: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17933	M1O	04-009/22:16:15.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17934	M1O	04-009/22:16:16.7		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-009/22:06:22.4
17935	M1O	04-009/22:16:29.0	63	X-Band Transmitter Off		
17936	M1O	04-009/22:21:15.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-009/22:11:21.0
17937	M1O	04-009/22:21:15.3	14	D/L Change: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17938	M1O	04-009/22:21:15.3	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17939	M1O	04-009/22:32:53.7		NOTE: Exit Solar Eclipse 9188		04-009/22:22:59.3
17940	M1O	04-009/22:35:14.9		SPAWN, Engine = 65535, Parameters = 3, 00:30:38, 1	dpt	04-009/22:25:20.4
17941	M1O	04-009/22:35:17.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/22:25:22.5
17942	M1O	04-009/22:35:17.0	14	D/L Change: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17943	M1O	04-009/22:35:17.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17944	M1O	04-009/22:35:18.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-009/22:25:23.5
17945	M1O	04-009/22:36:17.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17946	M1O	04-009/22:36:17.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17947	M1O	04-009/22:36:18.4		NOTE: ENTER HGA KEEP OUT ZONE		
17948	M1O	04-009/22:36:18.4	14	NOTE: Loss Of X-Band Signal		
17949	M1O	04-009/22:36:18.4	63	NOTE: Loss Of X-Band Signal		
17950	M1O	04-009/22:41:07.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17951	M1O	04-009/22:42:55.7		NOTE: Enter Planetary Atmosphere 9188		04-009/22:33:01.2
17952	M1O	04-009/22:44:13.4		NOTE: North Pole Crossing 9188		04-009/22:34:19.0
17953	M1O	04-009/22:44:46.2		NOTE: Enter Earth Occultation 9188		04-009/22:34:51.8
17954	M1O	04-009/22:45:36.9		NOTE: Apoapsis 9188 -		04-009/22:35:42.4
17955	M1O	04-009/22:46:07.0	63	Range Modulation On: SUP=3.0dB		
17956	M1O	04-009/22:47:07.0	63	Begin Ranging Acquisition		
17957	M1O	04-009/22:52:18.4		NOTE: EXIT HGA KEEP OUT ZONE		
17958	M1O	04-009/22:55:00.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
17959	M1O	04-009/23:00:23.4		NOTE: Exit Earth Occultation 9188		04-009/22:50:28.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17960	M1O	04-009/23:00:23.4	14	Acquisition Of X-Band Signal		
17961	M1O	04-009/23:00:23.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17962	M1O	04-009/23:00:23.4	63	Acquisition Of X-Band Signal		
17963	M1O	04-009/23:00:23.4	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17964	M1O	04-009/23:00:55.8	14	Acquire D/L: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17965	M1O	04-009/23:00:55.8	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17966	M1O	04-009/23:02:15.1		NOTE: Exit Planetary Atmosphere 9188		04-009/22:52:20.6
17967	M1O	04-009/23:05:00.0	63	Range Modulation Off		
17968	M1O	04-009/23:05:55.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-009/22:56:00.5
17969	M1O	04-009/23:05:55.0	14	D/L Change: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17970	M1O	04-009/23:05:55.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17971	M1O	04-009/23:05:56.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-009/22:56:01.5
17972	M1O	04-009/23:10:00.0	63	X-Band Transmitter Off		
17973	M1O	04-009/23:14:15.1		NOTE: Descending Node Crossing 9189		04-009/23:04:20.5
17974	M1O	04-009/23:15:10.8	63	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
17975	M1O	04-009/23:21:37.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-009/23:11:43.0
17976	M1O	04-009/23:21:53.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-007T23:11:43.100, 2004-009T23:11:43.100	PCKTS_RE_TX_TIME	04-009/23:11:58.8
17977	M1O	04-009/23:21:54.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-007T23:11:43.100, 2004-009T23:11:43.100	PCKTS_RE_TX_TIME	04-009/23:11:59.8
17978	M1O	04-009/23:21:55.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-007T23:11:43.100, 2004-009T23:11:43.100	PCKTS_RE_TX_TIME	04-009/23:12:00.8
17979	M1O	04-009/23:21:56.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-007T23:11:43.100, 2004-009T23:11:43.100	PCKTS_RE_TX_TIME	04-009/23:12:01.8
17980	M1O	04-009/23:21:57.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-007T23:11:43.100, 2004-009T23:11:43.100	PCKTS_RE_TX_TIME	04-009/23:12:02.8
17981	M1O	04-009/23:21:58.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-007T23:11:43.100, 2004-009T23:11:43.100	PCKTS_RE_TX_TIME	04-009/23:12:03.8
17982	M1O	04-009/23:21:58.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-009/23:12:03.8
17983	M1O	04-009/23:21:58.3	14	D/L Change: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17984	M1O	04-009/23:21:58.3	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17985	M1O	04-009/23:22:27.0	63	NOTE: Below Uplink Interlock Limit		
17986	M1O	04-009/23:27:15.5		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-009/23:17:21.0
17987	M1O	04-009/23:27:15.6		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-009/23:17:21.1
17988	M1O	04-009/23:27:16.6		Forces a desaturation of the reaction wheels.	RW_DESAT	04-009/23:17:22.1
17989	M1O	04-009/23:28:59.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/23:19:04.8
17990	M1O	04-009/23:28:59.3	14	D/L Change: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17991	M1O	04-009/23:28:59.3	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17992	M1O	04-009/23:29:00.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-009/23:19:05.8
17993	M1O	04-009/23:29:16.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-009/23:19:21.8
17994	M1O	04-009/23:29:16.3	14	D/L RF Warning: SC antenna change - expect signal level variation		
17995	M1O	04-009/23:29:16.3	63	D/L RF Warning: SC antenna change - expect signal level variation		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17996	M1O	04-009/23:29:17.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-009/23:19:22.8
17997	M1O	04-009/23:29:49.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17998	M1O	04-009/23:29:49.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17999	M1O	04-009/23:35:00.0	63	End Tracking		
18000	M1O	04-009/23:38:46.7		CALL, Engine = , Parameters = FALSE	park_hga	04-009/23:28:52.1
18001	M1O	04-009/23:38:46.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-009/23:28:52.1
18002	M1O	04-009/23:38:47.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-009/23:28:53.1
18003	M1O	04-009/23:38:48.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-009/23:28:54.1
18004	M1O	04-009/23:38:48.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-009/23:28:54.1
18005	M1O	04-009/23:38:48.7		NOTE: START HGA PARK		
18006	M1O	04-009/23:38:48.7	14	NOTE: Loss Of X-Band Signal		
18007	M1O	04-009/23:38:49.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-009/23:28:55.1
18008	M1O	04-009/23:38:50.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-009/23:28:56.1
18009	M1O	04-009/23:43:20.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-009/23:33:26.1
18010	M1O	04-009/23:43:34.4		NOTE: South Pole Crossing 9189		04-009/23:33:39.8
18011	M1O	04-009/23:44:28.2		NOTE: Periapsis 9189 ----------		04-009/23:34:33.6
18012	M1O	04-009/23:46:50.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-009/23:36:56.1
18013	M1O	04-009/23:46:50.7		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-009/23:36:56.1
18014	M1O	04-009/23:50:00.0	63	End Post-Cal		
18015	M1O	04-010/00:00:00.0		Light Time: OWLT = 09:54, RTLT = 19:49		
18016	M1O	04-010/00:00:00.0	25	Begin Pre-Cal		
18017	M1O	04-010/00:00:00.0	25	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
18018	M1O	04-010/00:00:00.0	25	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18019	M1O	04-010/00:00:00.0	25	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18020	M1O	04-010/00:00:00.0	25	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18021	M1O	04-010/00:00:00.0	25	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
18022	M1O	04-010/00:00:00.0	25	Config: RCV: Parms:		
18023	M1O	04-010/00:00:00.0	25	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18024	M1O	04-010/00:00:00.0	25	Config: TGC: BAND=X, SR=221200.000000		
18025	M1O	04-010/00:00:00.0	25	Config: TXL		
18026	M1O	04-010/00:00:00.0	25	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
18027	M1O	04-010/00:00:00.0	25	Config: CMD		
18028	M1O	04-010/00:00:00.0	25	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
18029	M1O	04-010/00:11:35.5		NOTE: Enter Solar Eclipse 9189		04-010/00:01:40.8
18030	M1O	04-010/00:12:51.2		NOTE: Ascending Node Crossing 9189		04-010/00:02:56.5
18031	M1O	04-010/00:16:50.7		GV: GV_DESAT_ACTIVE = 1		04-010/00:06:56.0
18032	M1O	04-010/00:16:51.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-010/00:06:57.0
18033	M1O	04-010/00:16:51.7		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-010/00:06:57.0
18034	M1O	04-010/00:26:50.7		GV: GV_DESAT_ACTIVE = 0		04-010/00:16:56.0
18035	M1O	04-010/00:26:51.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-010/00:16:57.0
18036	M1O	04-010/00:26:52.7		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-010/00:16:58.0
18037	M1O	04-010/00:26:53.7		CALL, Engine = , Parameters =	unpark_hga	04-010/00:16:59.0
18038	M1O	04-010/00:26:53.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-010/00:16:59.0
18039	M1O	04-010/00:26:54.7		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-010/00:17:00.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18040	M1O	04-010/00:31:24.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-010/00:21:30.0
18041	M1O	04-010/00:31:25.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-010/00:21:31.0
18042	M1O	04-010/00:31:30.6		NOTE: Exit Solar Eclipse 9189		04-010/00:21:35.8
18043	M1O	04-010/00:34:54.8		NOTE: ENTER HGA KEEP OUT ZONE		
18044	M1O	04-010/00:35:25.7		NOTE: EXIT HGA PARK		
18045	M1O	04-010/00:41:29.7		NOTE: Enter Planetary Atmosphere 9189		04-010/00:31:34.9
18046	M1O	04-010/00:42:49.7		NOTE: North Pole Crossing 9189		04-010/00:32:54.9
18047	M1O	04-010/00:43:19.8		NOTE: Enter Earth Occultation 9189		04-010/00:33:24.9
18048	M1O	04-010/00:43:57.8		NOTE: Apoapsis 9189 -		04-010/00:34:03.0
18049	M1O	04-010/00:45:00.0	25	Begin Tracking		
18050	M1O	04-010/00:46:00.0	25	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18051	M1O	04-010/00:50:54.8		NOTE: EXIT HGA KEEP OUT ZONE		
18052	M1O	04-010/00:51:00.0	25	Range Modulation On: SUP=3.0dB		
18053	M1O	04-010/00:52:00.0	25	Begin Ranging Acquisition		
18054	M1O	04-010/00:58:36.5		SPAWN, Engine = 65535, Parameters = 00:11:47.894	cstr	04-010/00:48:41.7
18055	M1O	04-010/00:58:36.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/00:48:41.8
18056	M1O	04-010/00:58:37.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-010/00:48:42.8
18057	M1O	04-010/00:58:38.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-010/00:48:43.8
18058	M1O	04-010/00:58:39.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-010/00:48:44.8
18059	M1O	04-010/00:58:40.6		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-010/00:48:45.8
18060	M1O	04-010/00:58:50.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-010/00:48:55.8
18061	M1O	04-010/00:59:00.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-010/00:49:05.8
18062	M1O	04-010/00:59:01.5		NOTE: Exit Earth Occultation 9189		04-010/00:49:06.7
18063	M1O	04-010/00:59:01.5	14	Acquisition Of X-Band Signal		
18064	M1O	04-010/00:59:01.5	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18065	M1O	04-010/00:59:01.5	25	Acquisition Of X-Band Signal		
18066	M1O	04-010/00:59:01.5	25	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18067	M1O	04-010/01:00:00.0	43	Begin Pre-Cal		
18068	M1O	04-010/01:00:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
18069	M1O	04-010/01:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18070	M1O	04-010/01:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18071	M1O	04-010/01:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18072	M1O	04-010/01:00:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
18073	M1O	04-010/01:00:00.0	43	Config: RCV: Parms:		
18074	M1O	04-010/01:00:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18075	M1O	04-010/01:00:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
18076	M1O	04-010/01:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
18077	M1O	04-010/01:00:52.8		NOTE: Exit Planetary Atmosphere 9189		04-010/00:50:57.9
18078	M1O	04-010/01:05:49.6	14	Acquire D/L: X/08, 3-Way/25, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18079	M1O	04-010/01:05:49.6	25	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18080	M1O	04-010/01:10:48.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-010/01:00:53.7
18081	M1O	04-010/01:10:49.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-010/01:00:54.7
18082	M1O	04-010/01:10:49.6	14	D/L Change: X/08, 3-Way/25, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18083	M1O	04-010/01:10:49.6	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18084	M1O	04-010/01:10:50.6		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-010/01:00:55.7
18085	M1O	04-010/01:12:50.6		NOTE: Descending Node Crossing 9190		04-010/01:02:55.7
18086	M1O	04-010/01:42:10.1		NOTE: South Pole Crossing 9190		04-010/01:32:15.1
18087	M1O	04-010/01:43:02.7		NOTE: Periapsis 9190 ----------		04-010/01:33:07.7
18088	M1O	04-010/01:58:39.0	25	NOTE: X-Band Transmitter Off in 15 minutes		
18089	M1O	04-010/02:08:39.0	25	Range Modulation Off		
18090	M1O	04-010/02:08:52.0		SPAWN, Engine = 65535, Parameters = 010, 01, FALSE, 00:11:39.792, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-010/01:58:57.0
18091	M1O	04-010/02:08:53.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-010/01:58:58.1
18092	M1O	04-010/02:08:55.1		CALL, Engine = , Parameters = 56	get_cmd_opt	04-010/01:59:00.1
18093	M1O	04-010/02:09:37.3		CALL, Engine = , Parameters = 56	get_apid	04-010/01:59:42.3
18094	M1O	04-010/02:09:38.4		CALL, Engine = , Parameters = 56	get_rcv_mode	04-010/01:59:43.4
18095	M1O	04-010/02:09:38.6		CALL, Engine = , Parameters = 56	get_dl_rate	04-010/01:59:43.6
18096	M1O	04-010/02:09:39.7		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-010/01:59:44.7
18097	M1O	04-010/02:09:40.9		CALL, Engine = , Parameters = 56	get_coding	04-010/01:59:45.9
18098	M1O	04-010/02:09:42.1		CALL, Engine = , Parameters = 56	get_xmt_mode	04-010/01:59:47.1
18099	M1O	04-010/02:09:43.3		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-010/01:59:48.3
18100	M1O	04-010/02:10:11.1		NOTE: Enter Solar Eclipse 9190		04-010/02:00:16.0
18101	M1O	04-010/02:10:48.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-010/02:00:53.1
18102	M1O	04-010/02:10:49.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-010/02:00:54.1
18103	M1O	04-010/02:10:50.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-010/02:00:55.1
18104	M1O	04-010/02:10:51.2		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-010/02:00:56.1
18105	M1O	04-010/02:10:52.2		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-010/02:00:57.1
18106	M1O	04-010/02:10:53.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-010/02:00:58.1
18107	M1O	04-010/02:10:54.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-010/02:00:59.1
18108	M1O	04-010/02:11:26.9		NOTE: Ascending Node Crossing 9190		04-010/02:01:31.8
18109	M1O	04-010/02:13:39.0	25	X-Band Transmitter Off		
18110	M1O	04-010/02:22:30.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-010/02:12:34.8
18111	M1O	04-010/02:22:31.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-010/02:12:35.9
18112	M1O	04-010/02:22:41.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-010/02:12:45.9
18113	M1O	04-010/02:22:42.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-010/02:12:46.9
18114	M1O	04-010/02:30:09.2		NOTE: Exit Solar Eclipse 9190		04-010/02:20:14.0
18115	M1O	04-010/02:32:26.7		SPAWN, Engine = 65535, Parameters = 3, 00:30:43, 1	dpt	04-010/02:22:31.6
18116	M1O	04-010/02:32:28.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/02:22:33.7
18117	M1O	04-010/02:32:28.8	14	D/L Change: X/08, 3-Way/25, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18118	M1O	04-010/02:32:28.8	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18119	M1O	04-010/02:32:29.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-010/02:22:34.7
18120	M1O	04-010/02:33:29.2	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18121	M1O	04-010/02:33:29.2	25	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18122	M1O	04-010/02:33:30.1		NOTE: ENTER HGA KEEP OUT ZONE		
18123	M1O	04-010/02:33:30.1	14	NOTE: Loss Of X-Band Signal		
18124	M1O	04-010/02:33:30.1	25	NOTE: Loss Of X-Band Signal		
18125	M1O	04-010/02:38:22.0	25	Acquire U/L: X/08, PWR=20.0, BR=125.0		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18126	M1O	04-010/02:39:58.2		NOTE: Enter Planetary Atmosphere 9190		04-010/02:30:03.0
18127	M1O	04-010/02:41:24.2		NOTE: North Pole Crossing 9190		04-010/02:31:29.0
18128	M1O	04-010/02:41:47.2		NOTE: Enter Earth Occultation 9190		04-010/02:31:52.0
18129	M1O	04-010/02:42:28.6		NOTE: Apoapsis 9190 -		04-010/02:32:33.4
18130	M1O	04-010/02:43:22.0	25	Range Modulation On: SUP=3.0dB		
18131	M1O	04-010/02:44:22.0	25	Begin Ranging Acquisition		
18132	M1O	04-010/02:45:00.0	43	Begin Tracking		
18133	M1O	04-010/02:49:30.2		NOTE: EXIT HGA KEEP OUT ZONE		
18134	M1O	04-010/02:50:03.0	43	NOTE: Above Uplink Interlock Limit		
18135	M1O	04-010/02:57:40.0		NOTE: Exit Earth Occultation 9190		04-010/02:47:44.7
18136	M1O	04-010/02:57:40.0	14	Acquisition Of X-Band Signal		
18137	M1O	04-010/02:57:40.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18138	M1O	04-010/02:57:40.0	25	Acquisition Of X-Band Signal		
18139	M1O	04-010/02:57:40.0	25	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18140	M1O	04-010/02:57:40.0	43	Acquisition Of X-Band Signal		
18141	M1O	04-010/02:57:40.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18142	M1O	04-010/02:58:12.3	14	Acquire D/L: X/08, 3-Way/25, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18143	M1O	04-010/02:58:12.3	25	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18144	M1O	04-010/02:58:12.3	43	Acquire D/L: X/08, 3-Way/25, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18145	M1O	04-010/02:59:30.1		NOTE: Exit Planetary Atmosphere 9190		04-010/02:49:34.9
18146	M1O	04-010/03:03:11.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-010/02:53:16.7
18147	M1O	04-010/03:03:11.9	14	D/L Change: X/08, 3-Way/25, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18148	M1O	04-010/03:03:11.9	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18149	M1O	04-010/03:03:11.9	43	D/L Change: X/08, 3-Way/25, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18150	M1O	04-010/03:03:12.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-010/02:53:17.7
18151	M1O	04-010/03:11:23.8		NOTE: Descending Node Crossing 9191		04-010/03:01:28.5
18152	M1O	04-010/03:40:42.9		NOTE: South Pole Crossing 9191		04-010/03:30:47.5
18153	M1O	04-010/03:41:37.5		NOTE: Periapsis 9191 ----------		04-010/03:31:42.1
18154	M1O	04-010/03:55:29.4		SPAWN, Engine = 65535, Parameters = 010, 02, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-010/03:45:34.0
18155	M1O	04-010/03:55:29.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/03:45:34.5
18156	M1O	04-010/03:55:29.9	14	D/L Change: X/08, 3-Way/25, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18157	M1O	04-010/03:55:29.9	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18158	M1O	04-010/03:55:29.9	43	D/L Change: X/08, 3-Way/25, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18159	M1O	04-010/03:55:30.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-010/03:45:35.1
18160	M1O	04-010/03:55:32.5		CALL, Engine = , Parameters = 56	get_cmd_opt	04-010/03:45:37.1
18161	M1O	04-010/03:55:32.8		CALL, Engine = , Parameters = 010, 02, 056	bld_autosw	04-010/03:45:37.4
18162	M1O	04-010/03:55:33.9		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-010/03:45:38.5
18163	M1O	04-010/03:55:35.0		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-010/03:45:39.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy010_pass02_file01.dat, d:/dat/autoswitch.dat		
18164	M1O	04-010/03:55:36.0		Deletes the designated file.: d:/dat/056_doy010_pass02_file01.dat	FILE_DELETE	04-010/03:45:40.6
18165	M1O	04-010/03:55:37.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/03:45:41.7
18166	M1O	04-010/03:55:38.1		Deletes the designated file.: d:/dat/056_doy010_pass02_file02.dat	FILE_DELETE	04-010/03:45:42.7
18167	M1O	04-010/03:55:39.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/03:45:43.8
18168	M1O	04-010/03:55:40.2		Deletes the designated file.: d:/dat/056_doy010_pass02_file03.dat	FILE_DELETE	04-010/03:45:44.8
18169	M1O	04-010/03:55:41.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/03:45:45.9
18170	M1O	04-010/03:55:42.3		Deletes the designated file.: d:/dat/056_doy010_pass02_file04.dat	FILE_DELETE	04-010/03:45:46.9
18171	M1O	04-010/03:55:43.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/03:45:48.0
18172	M1O	04-010/03:55:44.4		Deletes the designated file.: d:/dat/056_doy010_pass02_file05.dat	FILE_DELETE	04-010/03:45:49.0
18173	M1O	04-010/03:55:45.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/03:45:50.1
18174	M1O	04-010/03:55:46.5		Deletes the designated file.: d:/dat/056_doy010_pass02_file06.dat	FILE_DELETE	04-010/03:45:51.1
18175	M1O	04-010/03:55:47.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/03:45:52.2
18176	M1O	04-010/03:55:48.6		Deletes the designated file.: d:/dat/056_doy010_pass02_file07.dat	FILE_DELETE	04-010/03:45:53.2
18177	M1O	04-010/03:55:49.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/03:45:54.3
18178	M1O	04-010/03:55:50.7		Deletes the designated file.: d:/dat/056_doy010_pass02_file08.dat	FILE_DELETE	04-010/03:45:55.3
18179	M1O	04-010/03:55:51.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/03:45:56.4
18180	M1O	04-010/03:55:52.8		Deletes the designated file.: d:/dat/056_doy010_pass02_file09.dat	FILE_DELETE	04-010/03:45:57.4
18181	M1O	04-010/03:55:53.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/03:45:58.5
18182	M1O	04-010/03:55:54.9		Deletes the designated file.: d:/dat/056_doy010_pass02_file10.dat	FILE_DELETE	04-010/03:45:59.5
18183	M1O	04-010/03:55:56.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/03:46:00.6
18184	M1O	04-010/03:55:57.0		Deletes the designated file.: d:/dat/056_doy010_pass02_file11.dat	FILE_DELETE	04-010/03:46:01.6
18185	M1O	04-010/03:55:58.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/03:46:02.7
18186	M1O	04-010/03:55:59.1		Deletes the designated file.: d:/dat/056_doy010_pass02_file12.dat	FILE_DELETE	04-010/03:46:03.7
18187	M1O	04-010/03:56:00.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/03:46:04.8
18188	M1O	04-010/03:56:01.2		Deletes the designated file.: d:/dat/056_doy010_pass02_file13.dat	FILE_DELETE	04-010/03:46:05.8
18189	M1O	04-010/03:56:02.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/03:46:06.9
18190	M1O	04-010/03:56:03.3		Deletes the designated file.: d:/dat/056_doy010_pass02_file14.dat	FILE_DELETE	04-010/03:46:07.9
18191	M1O	04-010/03:56:04.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/03:46:09.0
18192	M1O	04-010/03:56:05.4		Deletes the designated file.: d:/dat/056_doy010_pass02_file15.dat	FILE_DELETE	04-010/03:46:10.0
18193	M1O	04-010/03:56:06.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/03:46:11.1
18194	M1O	04-010/03:56:07.5		Deletes the designated file.: d:/dat/056_doy010_pass02_file16.dat	FILE_DELETE	04-010/03:46:12.1
18195	M1O	04-010/03:56:08.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/03:46:13.2
18196	M1O	04-010/03:56:09.6		Deletes the designated file.: d:/dat/056_doy010_pass02_file17.dat	FILE_DELETE	04-010/03:46:14.2
18197	M1O	04-010/03:56:10.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/03:46:15.3
18198	M1O	04-010/03:56:11.7		Deletes the designated file.: d:/dat/056_doy010_pass02_file18.dat	FILE_DELETE	04-010/03:46:16.3
18199	M1O	04-010/03:56:12.8		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-010/03:46:17.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy010_pass02_file19.dat, d:/dat/autoswitch.dat		
18200	M1O	04-010/03:56:13.8		Deletes the designated file.: d:/dat/056_doy010_pass02_file19.dat	FILE_DELETE	04-010/03:46:18.4
18201	M1O	04-010/03:56:14.8		CALL, Engine = , Parameters = 56	get_apid	04-010/03:46:19.4
18202	M1O	04-010/03:56:15.9		CALL, Engine = , Parameters = 56	get_rcv_mode	04-010/03:46:20.5
18203	M1O	04-010/03:56:16.1		CALL, Engine = , Parameters = 56	get_dl_rate	04-010/03:46:20.7
18204	M1O	04-010/03:56:17.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-010/03:46:21.8
18205	M1O	04-010/03:56:18.4		CALL, Engine = , Parameters = 56	get_coding	04-010/03:46:23.0
18206	M1O	04-010/03:56:19.6		CALL, Engine = , Parameters = 56	get_xmt_mode	04-010/03:46:24.2
18207	M1O	04-010/03:56:20.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-010/03:46:25.4
18208	M1O	04-010/03:57:12.0	25	NOTE: X-Band Transmitter Off in 15 minutes		
18209	M1O	04-010/03:57:25.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-010/03:47:30.2
18210	M1O	04-010/03:57:26.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-010/03:47:31.2
18211	M1O	04-010/03:57:27.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-010/03:47:32.2
18212	M1O	04-010/03:57:28.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-010/03:47:33.2
18213	M1O	04-010/03:57:29.6		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-010/03:47:34.2
18214	M1O	04-010/03:57:30.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-010/03:47:35.2
18215	M1O	04-010/03:57:31.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-010/03:47:36.2
18216	M1O	04-010/03:59:21.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/03:49:26.2
18217	M1O	04-010/03:59:31.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-010/03:49:36.2
18218	M1O	04-010/04:07:12.0	25	Range Modulation Off		
18219	M1O	04-010/04:08:43.0		NOTE: Enter Solar Eclipse 9191		04-010/03:58:47.5
18220	M1O	04-010/04:09:59.5		NOTE: Ascending Node Crossing 9191		04-010/04:00:04.0
18221	M1O	04-010/04:12:12.0	25	X-Band Transmitter Off		
18222	M1O	04-010/04:28:44.0		NOTE: Exit Solar Eclipse 9191		04-010/04:18:48.5
18223	M1O	04-010/04:29:29.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-010/04:19:34.2
18224	M1O	04-010/04:29:30.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-010/04:19:35.3
18225	M1O	04-010/04:29:40.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-010/04:19:45.3
18226	M1O	04-010/04:29:41.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-010/04:19:46.3
18227	M1O	04-010/04:29:42.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-010/04:19:47.3
18228	M1O	04-010/04:29:42.8	14	D/L Change: X/08, 3-Way/25, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18229	M1O	04-010/04:29:42.8	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18230	M1O	04-010/04:29:42.8	43	D/L Change: X/08, 3-Way/25, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18231	M1O	04-010/04:29:43.8		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-010/04:19:48.3
18232	M1O	04-010/04:31:00.1		SPAWN, Engine = 65535, Parameters = 3, 00:30:43, 1	dpt	04-010/04:21:04.6
18233	M1O	04-010/04:31:02.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/04:21:06.7
18234	M1O	04-010/04:31:03.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-010/04:21:07.7
18235	M1O	04-010/04:32:02.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18236	M1O	04-010/04:32:02.9	25	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18237	M1O	04-010/04:32:02.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18238	M1O	04-010/04:32:03.5		NOTE: ENTER HGA KEEP OUT ZONE		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18239	M1O	04-010/04:32:03.5	14	NOTE: Loss Of X-Band Signal		
18240	M1O	04-010/04:32:03.5	25	NOTE: Loss Of X-Band Signal		
18241	M1O	04-010/04:32:03.5	43	NOTE: Loss Of X-Band Signal		
18242	M1O	04-010/04:36:55.0	25	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18243	M1O	04-010/04:38:26.3		NOTE: Enter Planetary Atmosphere 9191		04-010/04:28:30.7
18244	M1O	04-010/04:39:56.2		NOTE: North Pole Crossing 9191		04-010/04:30:00.6
18245	M1O	04-010/04:40:14.7		NOTE: Enter Earth Occultation 9191		04-010/04:30:19.2
18246	M1O	04-010/04:41:12.9		NOTE: Apoapsis 9191 -		04-010/04:31:17.3
18247	M1O	04-010/04:41:55.0	25	Range Modulation On: SUP=3.0dB		
18248	M1O	04-010/04:42:55.0	25	Begin Ranging Acquisition		
18249	M1O	04-010/04:48:03.5		NOTE: EXIT HGA KEEP OUT ZONE		
18250	M1O	04-010/04:56:13.5		NOTE: Exit Earth Occultation 9191		04-010/04:46:17.8
18251	M1O	04-010/04:56:13.5	14	Acquisition Of X-Band Signal		
18252	M1O	04-010/04:56:13.5	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18253	M1O	04-010/04:56:13.5	25	Acquisition Of X-Band Signal		
18254	M1O	04-010/04:56:13.5	25	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18255	M1O	04-010/04:56:13.5	43	Acquisition Of X-Band Signal		
18256	M1O	04-010/04:56:13.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18257	M1O	04-010/04:56:46.1	14	Acquire D/L: X/08, 3-Way/25, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18258	M1O	04-010/04:56:46.1	25	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18259	M1O	04-010/04:56:46.1	43	Acquire D/L: X/08, 3-Way/25, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18260	M1O	04-010/04:58:03.1		NOTE: Exit Planetary Atmosphere 9191		04-010/04:48:07.5
18261	M1O	04-010/05:01:45.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-010/04:51:49.7
18262	M1O	04-010/05:01:45.3	14	D/L Change: X/08, 3-Way/25, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18263	M1O	04-010/05:01:45.3	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18264	M1O	04-010/05:01:45.3	43	D/L Change: X/08, 3-Way/25, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18265	M1O	04-010/05:01:46.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-010/04:51:50.7
18266	M1O	04-010/05:09:55.2		NOTE: Descending Node Crossing 9192		04-010/04:59:59.6
18267	M1O	04-010/05:39:13.4		NOTE: South Pole Crossing 9192		04-010/05:29:17.7
18268	M1O	04-010/05:39:59.4		NOTE: Periapsis 9192 ----------		04-010/05:30:03.6
18269	M1O	04-010/05:55:22.0	25	NOTE: X-Band Transmitter Off in 15 minutes		
18270	M1O	04-010/06:05:22.0	25	Range Modulation Off		
18271	M1O	04-010/06:07:13.4		NOTE: Enter Solar Eclipse 9192		04-010/05:57:17.6
18272	M1O	04-010/06:08:29.5		NOTE: Ascending Node Crossing 9192		04-010/05:58:33.7
18273	M1O	04-010/06:10:22.0	25	X-Band Transmitter Off		
18274	M1O	04-010/06:27:10.8		NOTE: Exit Solar Eclipse 9192		04-010/06:17:14.9
18275	M1O	04-010/06:29:11.6		SPAWN, Engine = 65535, Parameters = 3, 00:30:27.570, 1	dpt	04-010/06:19:15.7
18276	M1O	04-010/06:29:13.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/06:19:17.8
18277	M1O	04-010/06:29:13.7	14	D/L Change: X/08, 3-Way/25, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18278	M1O	04-010/06:29:13.7	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18279	M1O	04-010/06:29:13.7	43	D/L Change: X/08, 3-Way/25, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18280	M1O	04-010/06:29:14.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-010/06:19:18.8
18281	M1O	04-010/06:30:13.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18282	M1O	04-010/06:30:13.7	25	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18283	M1O	04-010/06:30:13.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18284	M1O	04-010/06:30:14.9		NOTE: ENTER HGA KEEP OUT ZONE		
18285	M1O	04-010/06:30:14.9	14	NOTE: Loss Of X-Band Signal		
18286	M1O	04-010/06:30:14.9	25	NOTE: Loss Of X-Band Signal		
18287	M1O	04-010/06:30:14.9	43	NOTE: Loss Of X-Band Signal		
18288	M1O	04-010/06:37:01.4		NOTE: Enter Planetary Atmosphere 9192		04-010/06:27:05.4
18289	M1O	04-010/06:38:27.2		NOTE: North Pole Crossing 9192		04-010/06:28:31.3
18290	M1O	04-010/06:38:50.6		NOTE: Enter Earth Occultation 9192		04-010/06:28:54.7
18291	M1O	04-010/06:39:28.8		NOTE: Apoapsis 9192 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				0x29292C31,0x29000000,0x0000,0x0000]		
18319	M1O	04-010/07:11:42.2		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-010/07:01:46.2
18320	M1O	04-010/07:12:02.2		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-010/07:02:06.2
18321	M1O	04-010/07:12:12.2		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-010/07:02:16.2
18322	M1O	04-010/07:12:32.2		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-010/07:02:36.2
18323	M1O	04-010/07:12:42.2		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-010/07:02:46.2
18324	M1O	04-010/07:12:47.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-010/07:02:51.2
18325	M1O	04-010/07:12:52.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-010/07:02:56.2
18326	M1O	04-010/07:12:57.2		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-010/07:03:01.2
18327	M1O	04-010/07:13:02.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-010/07:03:06.2
18328	M1O	04-010/07:13:07.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-010/07:03:11.2
18329	M1O	04-010/07:13:47.2		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-010/07:03:51.2
18330	M1O	04-010/07:13:52.2		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-010/07:03:56.2
18331	M1O	04-010/07:13:57.2		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-010/07:04:01.2
18332	M1O	04-010/07:14:02.2		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-010/07:04:06.2
18333	M1O	04-010/07:14:07.2		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-010/07:04:11.2
18334	M1O	04-010/07:14:08.2		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-010/07:04:12.2
18335	M1O	04-010/07:14:09.2		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-010/07:04:13.2
18336	M1O	04-010/07:14:10.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-010/07:04:14.2
18337	M1O	04-010/07:14:21.2		NOTE: End Block fsw_diag.mod		04-010/07:04:25.2
18338	M1O	04-010/07:15:00.0	14	End Post-Cal		
18339	M1O	04-010/07:15:00.0	25	End Post-Cal		
18340	M1O	04-010/07:37:45.2		NOTE: South Pole Crossing 9193		04-010/07:27:49.1
18341	M1O	04-010/07:38:09.9		NOTE: Periapsis 9193 ----------		04-010/07:28:13.8
18342	M1O	04-010/08:05:48.5		NOTE: Enter Solar Eclipse 9193		04-010/07:55:52.3
18343	M1O	04-010/08:07:02.2		NOTE: Ascending Node Crossing 9193		04-010/07:57:06.0
18344	M1O	04-010/08:25:37.9		NOTE: Exit Solar Eclipse 9193		04-010/08:15:41.6
18345	M1O	04-010/08:27:45.2		SPAWN, Engine = 65535, Parameters = 3, 00:30:22.038, 1	dpt	04-010/08:17:49.0
18346	M1O	04-010/08:27:47.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/08:17:51.1
18347	M1O	04-010/08:27:47.3	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18348	M1O	04-010/08:27:48.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-010/08:17:52.1
18349	M1O	04-010/08:28:47.2		NOTE: ENTER HGA KEEP OUT ZONE		
18350	M1O	04-010/08:28:47.2	43	NOTE: Loss Of X-Band Signal		
18351	M1O	04-010/08:35:41.8		NOTE: Enter Planetary Atmosphere 9193		04-010/08:25:45.5
18352	M1O	04-010/08:37:00.9		NOTE: North Pole Crossing 9193		04-010/08:27:04.6
18353	M1O	04-010/08:37:32.4		NOTE: Enter Earth Occultation 9193		04-010/08:27:36.1
18354	M1O	04-010/08:37:45.2		NOTE: Apoapsis 9193 -		04-010/08:27:48.9
18355	M1O	04-010/08:45:07.3		NOTE: EXIT HGA KEEP OUT ZONE		
18356	M1O	04-010/08:53:09.3		NOTE: Exit Earth Occultation 9193		04-010/08:43:13.0
18357	M1O	04-010/08:53:09.3	43	Acquisition Of X-Band Signal		
18358	M1O	04-010/08:53:09.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18359	M1O	04-010/08:55:01.2		NOTE: Exit Planetary Atmosphere 9193		04-010/08:45:04.8
18360	M1O	04-010/08:58:09.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-010/08:48:13.1
18361	M1O	04-010/08:58:09.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18362	M1O	04-010/08:58:10.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-010/08:48:14.1
18363	M1O	04-010/08:59:53.3		SPAWN, Engine = 65535, Parameters = 010, 01, FALSE, 00:15:12.218, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-010/08:49:57.0
18364	M1O	04-010/08:59:54.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-010/08:49:58.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18365	M1O	04-010/08:59:56.4		CALL, Engine = , Parameters = 254	get_cmd_opt	04-010/08:50:00.1
18366	M1O	04-010/09:00:38.6		CALL, Engine = , Parameters = 254	get_apid	04-010/08:50:42.3
18367	M1O	04-010/09:00:39.7		CALL, Engine = , Parameters = 254	get_rcv_mode	04-010/08:50:43.4
18368	M1O	04-010/09:00:39.9		CALL, Engine = , Parameters = 254	get_dl_rate	04-010/08:50:43.6
18369	M1O	04-010/09:00:41.0		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-010/08:50:44.7
18370	M1O	04-010/09:00:42.3		CALL, Engine = , Parameters = 254	get_coding	04-010/08:50:46.0
18371	M1O	04-010/09:00:43.5		CALL, Engine = , Parameters = 254	get_xmt_mode	04-010/08:50:47.2
18372	M1O	04-010/09:00:44.7		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-010/08:50:48.4
18373	M1O	04-010/09:01:49.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-010/08:51:53.2
18374	M1O	04-010/09:01:50.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-010/08:51:54.2
18375	M1O	04-010/09:01:51.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-010/08:51:55.2
18376	M1O	04-010/09:01:52.5		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-010/08:51:56.2
18377	M1O	04-010/09:01:53.5		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-010/08:51:57.2
18378	M1O	04-010/09:01:54.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-010/08:51:58.2
18379	M1O	04-010/09:01:55.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-010/08:51:59.2
18380	M1O	04-010/09:07:01.3		NOTE: Descending Node Crossing 9194		04-010/08:57:04.9
18381	M1O	04-010/09:17:03.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-010/09:07:07.4
18382	M1O	04-010/09:17:04.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-010/09:07:08.5
18383	M1O	04-010/09:17:14.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-010/09:07:18.5
18384	M1O	04-010/09:17:15.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-010/09:07:19.5
18385	M1O	04-010/09:36:20.9		NOTE: South Pole Crossing 9194		04-010/09:26:24.4
18386	M1O	04-010/09:36:57.0		NOTE: Periapsis 9194 ----------		04-010/09:27:00.5
18387	M1O	04-010/10:04:25.5		NOTE: Enter Solar Eclipse 9194		04-010/09:54:28.9
18388	M1O	04-010/10:05:38.8		NOTE: Ascending Node Crossing 9194		04-010/09:55:42.3
18389	M1O	04-010/10:24:12.4		NOTE: Exit Solar Eclipse 9194		04-010/10:14:15.7
18390	M1O	04-010/10:26:39.6		SPAWN, Engine = 65535, Parameters = 3, 00:30:31.728, 1	dpt	04-010/10:16:43.0
18391	M1O	04-010/10:26:41.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/10:16:45.1
18392	M1O	04-010/10:26:41.7	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18393	M1O	04-010/10:26:42.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-010/10:16:46.1
18394	M1O	04-010/10:27:41.6		NOTE: ENTER HGA KEEP OUT ZONE		
18395	M1O	04-010/10:27:41.6	43	NOTE: Loss Of X-Band Signal		
18396	M1O	04-010/10:32:21.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18397	M1O	04-010/10:34:20.0		NOTE: Enter Planetary Atmosphere 9194		04-010/10:24:23.4
18398	M1O	04-010/10:35:37.1		NOTE: North Pole Crossing 9194		04-010/10:25:40.4
18399	M1O	04-010/10:36:11.3		NOTE: Enter Earth Occultation 9194		04-010/10:26:14.6
18400	M1O	04-010/10:36:41.9		NOTE: Apoapsis 9194 -		04-010/10:26:45.2
18401	M1O	04-010/10:37:21.0	43	Range Modulation On: SUP=3.0dB		
18402	M1O	04-010/10:38:21.0	43	Begin Ranging Acquisition		
18403	M1O	04-010/10:43:41.7		NOTE: EXIT HGA KEEP OUT ZONE		
18404	M1O	04-010/10:45:00.0	65	Begin Pre-Cal		
18405	M1O	04-010/10:45:00.0	65	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
18406	M1O	04-010/10:45:00.0	65	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18407	M1O	04-010/10:45:00.0	65	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18408	M1O	04-010/10:45:00.0	65	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18409	M1O	04-010/10:45:00.0	65	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
18410	M1O	04-010/10:45:00.0	65	Config: RCV: Parms:		
18411	M1O	04-010/10:45:00.0	65	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18412	M1O	04-010/10:45:00.0	65	Config: TGC: BAND=X, SR=221200.000000		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18413	M1O	04-010/10:45:00.0	65	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
18414	M1O	04-010/10:51:42.0		NOTE: Exit Earth Occultation 9194		04-010/10:41:45.3
18415	M1O	04-010/10:51:42.0	43	Acquisition Of X-Band Signal		
18416	M1O	04-010/10:51:42.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18417	M1O	04-010/10:52:14.3	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18418	M1O	04-010/10:53:34.4		NOTE: Exit Planetary Atmosphere 9194		04-010/10:43:37.7
18419	M1O	04-010/10:55:40.7		SPAWN, Engine = 65535, Parameters = 010, 02, TRUE, 00:18:10, 254, FALSE, 32_KPS, 00:05:00, 00:00:00	uhf	04-010/10:45:44.0
18420	M1O	04-010/10:55:41.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-010/10:45:45.1
18421	M1O	04-010/10:55:43.8		CALL, Engine = , Parameters = 254	get_cmd_opt	04-010/10:45:47.1
18422	M1O	04-010/10:55:44.1		CALL, Engine = , Parameters = 010, 02, 254	bld_autosw	04-010/10:45:47.4
18423	M1O	04-010/10:55:45.2		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-010/10:45:48.5
18424	M1O	04-010/10:55:46.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/10:45:49.6
18425	M1O	04-010/10:55:47.3		Deletes the designated file.: d:/dat/254_doy010_pass02_file01.dat	FILE_DELETE	04-010/10:45:50.6
18426	M1O	04-010/10:55:48.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/10:45:51.7
18427	M1O	04-010/10:55:49.4		Deletes the designated file.: d:/dat/254_doy010_pass02_file02.dat	FILE_DELETE	04-010/10:45:52.7
18428	M1O	04-010/10:55:50.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/10:45:53.8
18429	M1O	04-010/10:55:51.5		Deletes the designated file.: d:/dat/254_doy010_pass02_file03.dat	FILE_DELETE	04-010/10:45:54.8
18430	M1O	04-010/10:55:52.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/10:45:55.9
18431	M1O	04-010/10:55:53.6		Deletes the designated file.: d:/dat/254_doy010_pass02_file04.dat	FILE_DELETE	04-010/10:45:56.9
18432	M1O	04-010/10:55:54.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/10:45:58.0
18433	M1O	04-010/10:55:55.7		Deletes the designated file.: d:/dat/254_doy010_pass02_file05.dat	FILE_DELETE	04-010/10:45:59.0
18434	M1O	04-010/10:55:56.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/10:46:00.1
18435	M1O	04-010/10:55:57.8		Deletes the designated file.: d:/dat/254_doy010_pass02_file06.dat	FILE_DELETE	04-010/10:46:01.1
18436	M1O	04-010/10:55:58.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/10:46:02.2
18437	M1O	04-010/10:55:59.9		Deletes the designated file.: d:/dat/254_doy010_pass02_file07.dat	FILE_DELETE	04-010/10:46:03.2
18438	M1O	04-010/10:56:01.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/10:46:04.3
18439	M1O	04-010/10:56:02.0		Deletes the designated file.: d:/dat/254_doy010_pass02_file08.dat	FILE_DELETE	04-010/10:46:05.3
18440	M1O	04-010/10:56:03.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/10:46:06.4
18441	M1O	04-010/10:56:04.1		Deletes the designated file.: d:/dat/254_doy010_pass02_file09.dat	FILE_DELETE	04-010/10:46:07.4
18442	M1O	04-010/10:56:05.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/10:46:08.5
18443	M1O	04-010/10:56:06.2		Deletes the designated file.: d:/dat/254_doy010_pass02_file10.dat	FILE_DELETE	04-010/10:46:09.5
18444	M1O	04-010/10:56:07.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/10:46:10.6
18445	M1O	04-010/10:56:08.3		Deletes the designated file.: d:/dat/254_doy010_pass02_file11.dat	FILE_DELETE	04-010/10:46:11.6
18446	M1O	04-010/10:56:09.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/10:46:12.7
18447	M1O	04-010/10:56:10.4		Deletes the designated file.: d:/dat/254_doy010_pass02_file12.dat	FILE_DELETE	04-010/10:46:13.7
18448	M1O	04-010/10:56:11.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/10:46:14.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18449	M1O	04-010/10:56:12.5		Deletes the designated file.: d:/dat/254_doy010_pass02_file13.dat	FILE_DELETE	04-010/10:46:15.8
18450	M1O	04-010/10:56:13.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/10:46:16.9
18451	M1O	04-010/10:56:14.6		Deletes the designated file.: d:/dat/254_doy010_pass02_file14.dat	FILE_DELETE	04-010/10:46:17.9
18452	M1O	04-010/10:56:15.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/10:46:19.0
18453	M1O	04-010/10:56:16.7		Deletes the designated file.: d:/dat/254_doy010_pass02_file15.dat	FILE_DELETE	04-010/10:46:20.0
18454	M1O	04-010/10:56:17.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/10:46:21.1
18455	M1O	04-010/10:56:18.8		Deletes the designated file.: d:/dat/254_doy010_pass02_file16.dat	FILE_DELETE	04-010/10:46:22.1
18456	M1O	04-010/10:56:19.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/10:46:23.2
18457	M1O	04-010/10:56:20.9		Deletes the designated file.: d:/dat/254_doy010_pass02_file17.dat	FILE_DELETE	04-010/10:46:24.2
18458	M1O	04-010/10:56:22.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/10:46:25.3
18459	M1O	04-010/10:56:23.0		Deletes the designated file.: d:/dat/254_doy010_pass02_file18.dat	FILE_DELETE	04-010/10:46:26.3
18460	M1O	04-010/10:56:24.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/10:46:27.4
18461	M1O	04-010/10:56:25.1		Deletes the designated file.: d:/dat/254_doy010_pass02_file19.dat	FILE_DELETE	04-010/10:46:28.4
18462	M1O	04-010/10:56:26.1		CALL, Engine = , Parameters = 254	get_apid	04-010/10:46:29.4
18463	M1O	04-010/10:56:27.2		CALL, Engine = , Parameters = 254	get_rcv_mode	04-010/10:46:30.5
18464	M1O	04-010/10:56:27.4		CALL, Engine = , Parameters = 254	get_dl_rate	04-010/10:46:30.7
18465	M1O	04-010/10:56:28.5		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-010/10:46:31.8
18466	M1O	04-010/10:56:29.8		CALL, Engine = , Parameters = 254	get_coding	04-010/10:46:33.1
18467	M1O	04-010/10:56:31.0		CALL, Engine = , Parameters = 254	get_xmt_mode	04-010/10:46:34.3
18468	M1O	04-010/10:56:32.2		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-010/10:46:35.5
18469	M1O	04-010/10:57:13.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-010/10:47:16.8
18470	M1O	04-010/10:57:13.5	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18471	M1O	04-010/10:57:14.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/10:47:17.8
18472	M1O	04-010/10:57:14.5	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18473	M1O	04-010/10:57:14.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-010/10:47:17.8
18474	M1O	04-010/10:57:37.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-010/10:47:40.3
18475	M1O	04-010/10:57:38.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-010/10:47:41.3
18476	M1O	04-010/10:57:39.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-010/10:47:42.3
18477	M1O	04-010/10:57:40.0		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-010/10:47:43.3
18478	M1O	04-010/10:57:41.0		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-010/10:47:44.3
18479	M1O	04-010/10:57:42.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-010/10:47:45.3
18480	M1O	04-010/10:57:43.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-010/10:47:46.3
18481	M1O	04-010/11:02:33.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/10:52:36.3
18482	M1O	04-010/11:02:43.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-010/10:52:46.3
18483	M1O	04-010/11:05:37.5		NOTE: Descending Node Crossing 9195		04-010/10:55:40.8
18484	M1O	04-010/11:15:51.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-010/11:05:54.3
18485	M1O	04-010/11:15:52.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-010/11:05:55.4
18486	M1O	04-010/11:16:02.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-010/11:06:05.4
18487	M1O	04-010/11:16:03.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-010/11:06:06.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18488	M1O	04-010/11:16:04.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-010/11:06:07.4
18489	M1O	04-010/11:16:04.2	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18490	M1O	04-010/11:16:05.2		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-010/11:06:08.4
18491	M1O	04-010/11:21:03.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-010/11:11:07.0
18492	M1O	04-010/11:21:03.8	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18493	M1O	04-010/11:34:57.9		NOTE: South Pole Crossing 9195		04-010/11:25:01.0
18494	M1O	04-010/11:35:58.8		NOTE: Periapsis 9195 ----------		04-010/11:26:02.0
18495	M1O	04-010/11:51:22.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
18496	M1O	04-010/12:01:22.0	43	Range Modulation Off		
18497	M1O	04-010/12:03:00.8		NOTE: Enter Solar Eclipse 9195		04-010/11:53:03.8
18498	M1O	04-010/12:04:15.7		NOTE: Ascending Node Crossing 9195		04-010/11:54:18.8
18499	M1O	04-010/12:06:22.0	43	X-Band Transmitter Off		
18500	M1O	04-010/12:15:00.0	65	Begin Tracking		
18501	M1O	04-010/12:15:00.0	65	Acquire D/L: X/08, 3-Way/43, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18502	M1O	04-010/12:15:05.9	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
18503	M1O	04-010/12:22:49.3		NOTE: Exit Solar Eclipse 9195		04-010/12:12:52.3
18504	M1O	04-010/12:24:57.0		Dummy command to mark beg/end of mini sequences: cz058a, 2004-010T23:00:03.000	START_MINI	04-010/12:15:00.0
18505	M1O	04-010/12:24:57.0		Deletes the designated file.: d:/seq/cz058a.abs	FILE_DELETE	04-010/12:15:00.0
18506	M1O	04-010/12:25:13.8		SPAWN, Engine = 65535, Parameters = 3, 00:30:01.070, 1	dpt	04-010/12:15:16.8
18507	M1O	04-010/12:25:15.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/12:15:18.9
18508	M1O	04-010/12:25:15.9	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18509	M1O	04-010/12:25:15.9	65	D/L Change: X/08, 3-Way/43, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18510	M1O	04-010/12:25:16.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-010/12:15:19.9
18511	M1O	04-010/12:25:27.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	04-010/12:15:30.0
18512	M1O	04-010/12:25:27.0	43	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18513	M1O	04-010/12:25:27.0	65	D/L Change: X/08, 3-Way/43, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18514	M1O	04-010/12:26:15.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18515	M1O	04-010/12:26:15.9	65	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18516	M1O	04-010/12:26:17.0		NOTE: ENTER HGA KEEP OUT ZONE		
18517	M1O	04-010/12:26:17.0	43	NOTE: Loss Of X-Band Signal		
18518	M1O	04-010/12:26:17.0	65	NOTE: Loss Of X-Band Signal		
18519	M1O	04-010/12:27:09.0	65	NOTE: Above Uplink Interlock Limit		
18520	M1O	04-010/12:32:56.2		NOTE: Enter Planetary Atmosphere 9195		04-010/12:22:59.1
18521	M1O	04-010/12:33:05.0	43	NOTE: Below Uplink Interlock Limit		
18522	M1O	04-010/12:34:13.6		NOTE: North Pole Crossing 9195		04-010/12:24:16.6
18523	M1O	04-010/12:34:47.6		NOTE: Enter Earth Occultation 9195		04-010/12:24:50.5
18524	M1O	04-010/12:35:00.0	43	End Tracking		
18525	M1O	04-010/12:35:46.3		NOTE: Apoapsis 9195 -		04-010/12:25:49.2
18526	M1O	04-010/12:42:17.0		NOTE: EXIT HGA KEEP OUT ZONE		
18527	M1O	04-010/12:50:00.0	43	End Post-Cal		
18528	M1O	04-010/12:50:17.0		NOTE: Exit Earth Occultation 9195		04-010/12:40:19.9
18529	M1O	04-010/12:50:17.0	65	Acquisition Of X-Band Signal		
18530	M1O	04-010/12:50:17.0	65	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18531	M1O	04-010/12:52:09.5		NOTE: Exit Planetary Atmosphere 9195		04-010/12:42:12.4
18532	M1O	04-010/12:55:17.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-010/12:45:20.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18533	M1O	04-010/12:55:17.1	65	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18534	M1O	04-010/12:55:18.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-010/12:45:21.0
18535	M1O	04-010/13:04:14.3		NOTE: Descending Node Crossing 9196		04-010/12:54:17.1
18536	M1O	04-010/13:33:34.2		NOTE: South Pole Crossing 9196		04-010/13:23:36.9
18537	M1O	04-010/13:34:48.9		NOTE: Periapsis 9196 ----------		04-010/13:24:51.6
18538	M1O	04-010/14:01:33.8		NOTE: Enter Solar Eclipse 9196		04-010/13:51:36.5
18539	M1O	04-010/14:02:51.0		NOTE: Ascending Node Crossing 9196		04-010/13:52:53.7
18540	M1O	04-010/14:21:26.1		NOTE: Exit Solar Eclipse 9196		04-010/14:11:28.7
18541	M1O	04-010/14:23:52.3		SPAWN, Engine = 65535, Parameters = 3, 00:29:59.614, 1	dpt	04-010/14:13:55.0
18542	M1O	04-010/14:23:54.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/14:13:57.1
18543	M1O	04-010/14:23:54.4	65	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18544	M1O	04-010/14:23:55.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-010/14:13:58.1
18545	M1O	04-010/14:24:54.3		NOTE: ENTER HGA KEEP OUT ZONE		
18546	M1O	04-010/14:24:54.3	65	NOTE: Loss Of X-Band Signal		
18547	M1O	04-010/14:31:28.6		NOTE: Enter Planetary Atmosphere 9196		04-010/14:21:31.1
18548	M1O	04-010/14:32:48.8		NOTE: North Pole Crossing 9196		04-010/14:22:51.4
18549	M1O	04-010/14:33:19.5		NOTE: Enter Earth Occultation 9196		04-010/14:23:22.1
18550	M1O	04-010/14:34:23.6		NOTE: Apoapsis 9196 -		04-010/14:24:26.2
18551	M1O	04-010/14:40:54.4		NOTE: EXIT HGA KEEP OUT ZONE		
18552	M1O	04-010/14:48:54.0		NOTE: Exit Earth Occultation 9196		04-010/14:38:56.6
18553	M1O	04-010/14:48:54.0	65	Acquisition Of X-Band Signal		
18554	M1O	04-010/14:48:54.0	65	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18555	M1O	04-010/14:49:45.4		SPAWN, Engine = 65535, Parameters = 010, 03, FALSE, 00:15:08.483, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-010/14:39:48.0
18556	M1O	04-010/14:49:46.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-010/14:39:49.1
18557	M1O	04-010/14:49:48.5		CALL, Engine = , Parameters = 56	get_cmd_opt	04-010/14:39:51.1
18558	M1O	04-010/14:50:30.7		CALL, Engine = , Parameters = 56	get_apid	04-010/14:40:33.3
18559	M1O	04-010/14:50:31.8		CALL, Engine = , Parameters = 56	get_rcv_mode	04-010/14:40:34.4
18560	M1O	04-010/14:50:32.0		CALL, Engine = , Parameters = 56	get_dl_rate	04-010/14:40:34.6
18561	M1O	04-010/14:50:33.1		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-010/14:40:35.7
18562	M1O	04-010/14:50:34.3		CALL, Engine = , Parameters = 56	get_coding	04-010/14:40:36.9
18563	M1O	04-010/14:50:35.5		CALL, Engine = , Parameters = 56	get_xmt_mode	04-010/14:40:38.1
18564	M1O	04-010/14:50:36.7		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-010/14:40:39.3
18565	M1O	04-010/14:50:46.1		NOTE: Exit Planetary Atmosphere 9196		04-010/14:40:48.7
18566	M1O	04-010/14:51:41.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-010/14:41:44.1
18567	M1O	04-010/14:51:42.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-010/14:41:45.1
18568	M1O	04-010/14:51:43.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-010/14:41:46.1
18569	M1O	04-010/14:51:44.5		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-010/14:41:47.1
18570	M1O	04-010/14:51:45.5		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-010/14:41:48.1
18571	M1O	04-010/14:51:46.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-010/14:41:49.1
18572	M1O	04-010/14:51:47.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-010/14:41:50.1
18573	M1O	04-010/14:53:54.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-010/14:43:56.7
18574	M1O	04-010/14:53:54.2	65	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18575	M1O	04-010/14:53:55.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-010/14:43:57.7
18576	M1O	04-010/15:02:49.4		NOTE: Descending Node Crossing 9197		04-010/14:52:51.9
18577	M1O	04-010/15:06:52.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK,	UHF_XMIT_MODE	04-010/14:56:54.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT, DISABLE		
18578	M1O	04-010/15:06:53.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-010/14:56:55.6
18579	M1O	04-010/15:07:03.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-010/14:57:05.6
18580	M1O	04-010/15:07:04.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-010/14:57:06.6
18581	M1O	04-010/15:32:08.0		NOTE: South Pole Crossing 9197		04-010/15:22:10.3
18582	M1O	04-010/15:33:12.6		NOTE: Periapsis 9197 ----------		04-010/15:23:15.0
18583	M1O	04-010/16:00:05.3		NOTE: Enter Solar Eclipse 9197		04-010/15:50:07.6
18584	M1O	04-010/16:01:23.7		NOTE: Ascending Node Crossing 9197		04-010/15:51:26.0
18585	M1O	04-010/16:20:00.7		NOTE: Exit Solar Eclipse 9197		04-010/16:10:03.0
18586	M1O	04-010/16:22:27.7		SPAWN, Engine = 65535, Parameters = 3, 00:29:59.774, 1	dpt	04-010/16:12:30.0
18587	M1O	04-010/16:22:29.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/16:12:32.1
18588	M1O	04-010/16:22:29.8	65	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18589	M1O	04-010/16:22:30.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-010/16:12:33.1
18590	M1O	04-010/16:23:29.7		NOTE: ENTER HGA KEEP OUT ZONE		
18591	M1O	04-010/16:23:29.7	65	NOTE: Loss Of X-Band Signal		
18592	M1O	04-010/16:29:57.0		NOTE: Enter Planetary Atmosphere 9197		04-010/16:19:59.3
18593	M1O	04-010/16:31:21.2		NOTE: North Pole Crossing 9197		04-010/16:21:23.4
18594	M1O	04-010/16:31:47.2		NOTE: Enter Earth Occultation 9197		04-010/16:21:49.4
18595	M1O	04-010/16:32:37.5		NOTE: Apoapsis 9197 -		04-010/16:22:39.7
18596	M1O	04-010/16:38:56.8		SPAWN, Engine = 65535, Parameters = 010, 04, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-010/16:28:59.0
18597	M1O	04-010/16:38:57.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-010/16:29:00.1
18598	M1O	04-010/16:38:59.9		CALL, Engine = , Parameters = 56	get_cmd_opt	04-010/16:29:02.1
18599	M1O	04-010/16:39:00.2		CALL, Engine = , Parameters = 010, 04, 056	bld_autosw	04-010/16:29:02.4
18600	M1O	04-010/16:39:01.3		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-010/16:29:03.5
18601	M1O	04-010/16:39:02.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/16:29:04.6
18602	M1O	04-010/16:39:03.4		Deletes the designated file.: d:/dat/056_doy010_pass04_file01.dat	FILE_DELETE	04-010/16:29:05.6
18603	M1O	04-010/16:39:04.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/16:29:06.7
18604	M1O	04-010/16:39:05.5		Deletes the designated file.: d:/dat/056_doy010_pass04_file02.dat	FILE_DELETE	04-010/16:29:07.7
18605	M1O	04-010/16:39:06.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/16:29:08.8
18606	M1O	04-010/16:39:07.6		Deletes the designated file.: d:/dat/056_doy010_pass04_file03.dat	FILE_DELETE	04-010/16:29:09.8
18607	M1O	04-010/16:39:08.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/16:29:10.9
18608	M1O	04-010/16:39:09.7		Deletes the designated file.: d:/dat/056_doy010_pass04_file04.dat	FILE_DELETE	04-010/16:29:11.9
18609	M1O	04-010/16:39:10.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/16:29:13.0
18610	M1O	04-010/16:39:11.8		Deletes the designated file.: d:/dat/056_doy010_pass04_file05.dat	FILE_DELETE	04-010/16:29:14.0
18611	M1O	04-010/16:39:12.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/16:29:15.1
18612	M1O	04-010/16:39:13.9		Deletes the designated file.: d:/dat/056_doy010_pass04_file06.dat	FILE_DELETE	04-010/16:29:16.1
18613	M1O	04-010/16:39:15.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/16:29:17.2
18614	M1O	04-010/16:39:16.0		Deletes the designated file.: d:/dat/056_doy010_pass04_file07.dat	FILE_DELETE	04-010/16:29:18.2
18615	M1O	04-010/16:39:17.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/16:29:19.3
18616	M1O	04-010/16:39:18.1		Deletes the designated file.: d:/dat/056_doy010_pass04_file08.dat	FILE_DELETE	04-010/16:29:20.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18617	M1O	04-010/16:39:19.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/16:29:21.4
18618	M1O	04-010/16:39:20.2		Deletes the designated file.: d:/dat/056_doy010_pass04_file09.dat	FILE_DELETE	04-010/16:29:22.4
18619	M1O	04-010/16:39:21.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/16:29:23.5
18620	M1O	04-010/16:39:22.3		Deletes the designated file.: d:/dat/056_doy010_pass04_file10.dat	FILE_DELETE	04-010/16:29:24.5
18621	M1O	04-010/16:39:23.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/16:29:25.6
18622	M1O	04-010/16:39:24.4		Deletes the designated file.: d:/dat/056_doy010_pass04_file11.dat	FILE_DELETE	04-010/16:29:26.6
18623	M1O	04-010/16:39:25.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/16:29:27.7
18624	M1O	04-010/16:39:26.5		Deletes the designated file.: d:/dat/056_doy010_pass04_file12.dat	FILE_DELETE	04-010/16:29:28.7
18625	M1O	04-010/16:39:27.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/16:29:29.8
18626	M1O	04-010/16:39:28.6		Deletes the designated file.: d:/dat/056_doy010_pass04_file13.dat	FILE_DELETE	04-010/16:29:30.8
18627	M1O	04-010/16:39:29.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/16:29:31.9
18628	M1O	04-010/16:39:29.8		NOTE: EXIT HGA KEEP OUT ZONE		
18629	M1O	04-010/16:39:30.7		Deletes the designated file.: d:/dat/056_doy010_pass04_file14.dat	FILE_DELETE	04-010/16:29:32.9
18630	M1O	04-010/16:39:31.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/16:29:34.0
18631	M1O	04-010/16:39:32.8		Deletes the designated file.: d:/dat/056_doy010_pass04_file15.dat	FILE_DELETE	04-010/16:29:35.0
18632	M1O	04-010/16:39:33.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/16:29:36.1
18633	M1O	04-010/16:39:34.9		Deletes the designated file.: d:/dat/056_doy010_pass04_file16.dat	FILE_DELETE	04-010/16:29:37.1
18634	M1O	04-010/16:39:36.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/16:29:38.2
18635	M1O	04-010/16:39:37.0		Deletes the designated file.: d:/dat/056_doy010_pass04_file17.dat	FILE_DELETE	04-010/16:29:39.2
18636	M1O	04-010/16:39:38.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/16:29:40.3
18637	M1O	04-010/16:39:39.1		Deletes the designated file.: d:/dat/056_doy010_pass04_file18.dat	FILE_DELETE	04-010/16:29:41.3
18638	M1O	04-010/16:39:40.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy010_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/16:29:42.4
18639	M1O	04-010/16:39:41.2		Deletes the designated file.: d:/dat/056_doy010_pass04_file19.dat	FILE_DELETE	04-010/16:29:43.4
18640	M1O	04-010/16:39:42.2		CALL, Engine = , Parameters = 56	get_apid	04-010/16:29:44.4
18641	M1O	04-010/16:39:43.3		CALL, Engine = , Parameters = 56	get_rcv_mode	04-010/16:29:45.5
18642	M1O	04-010/16:39:43.5		CALL, Engine = , Parameters = 56	get_dl_rate	04-010/16:29:45.7
18643	M1O	04-010/16:39:44.6		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-010/16:29:46.8
18644	M1O	04-010/16:39:45.8		CALL, Engine = , Parameters = 56	get_coding	04-010/16:29:48.0
18645	M1O	04-010/16:39:47.0		CALL, Engine = , Parameters = 56	get_xmt_mode	04-010/16:29:49.2
18646	M1O	04-010/16:39:48.2		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-010/16:29:50.4
18647	M1O	04-010/16:40:53.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-010/16:30:55.2
18648	M1O	04-010/16:40:54.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-010/16:30:56.2
18649	M1O	04-010/16:40:55.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-010/16:30:57.2
18650	M1O	04-010/16:40:56.0		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-010/16:30:58.2
18651	M1O	04-010/16:40:57.0		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-010/16:30:59.2
18652	M1O	04-010/16:40:58.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-010/16:31:00.2
18653	M1O	04-010/16:40:59.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-010/16:31:01.2
18654	M1O	04-010/16:42:49.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/16:32:51.2
18655	M1O	04-010/16:42:59.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-010/16:33:01.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18656	M1O	04-010/16:47:29.6		NOTE: Exit Earth Occultation 9197		04-010/16:37:31.7
18657	M1O	04-010/16:47:29.6	65	Acquisition Of X-Band Signal		
18658	M1O	04-010/16:47:29.6	65	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18659	M1O	04-010/16:49:21.0		NOTE: Exit Planetary Atmosphere 9197		04-010/16:39:23.1
18660	M1O	04-010/16:52:29.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-010/16:42:31.8
18661	M1O	04-010/16:52:29.7	65	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18662	M1O	04-010/16:52:30.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/16:42:32.8
18663	M1O	04-010/16:52:30.6	65	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18664	M1O	04-010/16:52:30.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-010/16:42:32.8
18665	M1O	04-010/17:01:21.1		NOTE: Descending Node Crossing 9198		04-010/16:51:23.2
18666	M1O	04-010/17:12:57.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-010/17:02:59.2
18667	M1O	04-010/17:12:58.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-010/17:03:00.3
18668	M1O	04-010/17:13:08.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-010/17:03:10.3
18669	M1O	04-010/17:13:09.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-010/17:03:11.3
18670	M1O	04-010/17:13:10.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-010/17:03:12.3
18671	M1O	04-010/17:13:10.2	65	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18672	M1O	04-010/17:13:11.2		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-010/17:03:13.3
18673	M1O	04-010/17:18:09.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-010/17:08:12.0
18674	M1O	04-010/17:18:09.9	65	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18675	M1O	04-010/17:30:39.2		NOTE: South Pole Crossing 9198		04-010/17:20:41.3
18676	M1O	04-010/17:31:25.2		NOTE: Periapsis 9198 ----------		04-010/17:21:27.2
18677	M1O	04-010/17:58:37.7		NOTE: Enter Solar Eclipse 9198		04-010/17:48:39.7
18678	M1O	04-010/17:59:55.2		NOTE: Ascending Node Crossing 9198		04-010/17:49:57.2
18679	M1O	04-010/18:18:31.6		NOTE: Exit Solar Eclipse 9198		04-010/18:08:33.5
18680	M1O	04-010/18:20:59.1		SPAWN, Engine = 65535, Parameters = 3, 00:29:58.003, 1	dpt	04-010/18:11:01.0
18681	M1O	04-010/18:21:01.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/18:11:03.1
18682	M1O	04-010/18:21:01.2	65	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18683	M1O	04-010/18:21:02.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-010/18:11:04.1
18684	M1O	04-010/18:22:01.1		NOTE: ENTER HGA KEEP OUT ZONE		
18685	M1O	04-010/18:22:01.1	65	NOTE: Loss Of X-Band Signal		
18686	M1O	04-010/18:28:28.0		NOTE: Enter Planetary Atmosphere 9198		04-010/18:18:29.8
18687	M1O	04-010/18:29:52.3		NOTE: North Pole Crossing 9198		04-010/18:19:54.2
18688	M1O	04-010/18:30:18.4		NOTE: Enter Earth Occultation 9198		04-010/18:20:20.2
18689	M1O	04-010/18:31:04.8		NOTE: Apoapsis 9198 -		04-010/18:21:06.6
18690	M1O	04-010/18:38:01.1		NOTE: EXIT HGA KEEP OUT ZONE		
18691	M1O	04-010/18:45:59.2		NOTE: Exit Earth Occultation 9198		04-010/18:36:01.0
18692	M1O	04-010/18:45:59.2	65	Acquisition Of X-Band Signal		
18693	M1O	04-010/18:45:59.2	65	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18694	M1O	04-010/18:47:50.7		NOTE: Exit Planetary Atmosphere 9198		04-010/18:37:52.5
18695	M1O	04-010/18:50:59.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-010/18:41:01.1
18696	M1O	04-010/18:50:59.3	65	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18697	M1O	04-010/18:51:00.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-010/18:41:02.1
18698	M1O	04-010/18:59:51.6		NOTE: Descending Node Crossing 9199		04-010/18:49:53.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18699	M1O	04-010/19:29:10.4		NOTE: South Pole Crossing 9199		04-010/19:19:12.1
18700	M1O	04-010/19:29:51.5		NOTE: Periapsis 9199 ----------		04-010/19:19:53.2
18701	M1O	04-010/19:30:00.0	65	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18702	M1O	04-010/19:35:00.0	65	Range Modulation On: SUP=3.0dB		
18703	M1O	04-010/19:36:00.0	65	Begin Ranging Acquisition		
18704	M1O	04-010/19:45:34.0	65	NOTE: X-Band Transmitter Off in 15 minutes		
18705	M1O	04-010/19:48:54.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-010/19:38:55.9
18706	M1O	04-010/19:48:56.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/19:38:58.0
18707	M1O	04-010/19:48:56.4	65	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18708	M1O	04-010/19:48:57.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-010/19:38:59.0
18709	M1O	04-010/19:49:56.7	65	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18710	M1O	04-010/19:54:56.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-010/19:44:58.0
18711	M1O	04-010/19:54:56.5	65	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18712	M1O	04-010/19:54:57.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-010/19:44:59.0
18713	M1O	04-010/19:55:34.0	65	Range Modulation Off		
18714	M1O	04-010/19:57:11.2		NOTE: Enter Solar Eclipse 9199		04-010/19:47:12.8
18715	M1O	04-010/19:58:27.6		NOTE: Ascending Node Crossing 9199		04-010/19:48:29.1
18716	M1O	04-010/20:00:34.0	65	X-Band Transmitter Off		
18717	M1O	04-010/20:16:58.6		NOTE: Exit Solar Eclipse 9199		04-010/20:07:00.1
18718	M1O	04-010/20:19:28.4		SPAWN, Engine = 65535, Parameters = 3, 00:30:26, 1	dpt	04-010/20:09:29.9
18719	M1O	04-010/20:19:30.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/20:09:32.0
18720	M1O	04-010/20:19:30.5	65	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18721	M1O	04-010/20:19:31.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-010/20:09:33.0
18722	M1O	04-010/20:20:30.8	65	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18723	M1O	04-010/20:20:31.5		NOTE: ENTER HGA KEEP OUT ZONE		
18724	M1O	04-010/20:20:31.5	65	NOTE: Loss Of X-Band Signal		
18725	M1O	04-010/20:25:00.0	65	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18726	M1O	04-010/20:27:09.4		NOTE: Enter Planetary Atmosphere 9199		04-010/20:17:10.9
18727	M1O	04-010/20:28:25.8		NOTE: North Pole Crossing 9199		04-010/20:18:27.2
18728	M1O	04-010/20:29:01.6		NOTE: Enter Earth Occultation 9199		04-010/20:19:03.0
18729	M1O	04-010/20:29:45.1		NOTE: Apoapsis 9199 -		04-010/20:19:46.6
18730	M1O	04-010/20:30:00.0	65	Range Modulation On: SUP=3.0dB		
18731	M1O	04-010/20:31:00.0	65	Begin Ranging Acquisition		
18732	M1O	04-010/20:36:31.5		NOTE: EXIT HGA KEEP OUT ZONE		
18733	M1O	04-010/20:44:25.0		NOTE: Exit Earth Occultation 9199		04-010/20:34:26.4
18734	M1O	04-010/20:44:25.0	65	Acquisition Of X-Band Signal		
18735	M1O	04-010/20:44:25.0	65	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18736	M1O	04-010/20:44:57.0	65	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18737	M1O	04-010/20:46:18.3		NOTE: Exit Planetary Atmosphere 9199		04-010/20:36:19.7
18738	M1O	04-010/20:49:56.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-010/20:39:58.0
18739	M1O	04-010/20:49:56.6	65	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18740	M1O	04-010/20:49:57.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-010/20:39:59.0
18741	M1O	04-010/20:58:26.3		NOTE: Descending Node Crossing 9200		04-010/20:48:27.7
18742	M1O	04-010/21:27:45.4		NOTE: South Pole Crossing 9200		04-010/21:17:46.7
18743	M1O	04-010/21:28:33.4		NOTE: Periapsis 9200 ----------		04-010/21:18:34.7
18744	M1O	04-010/21:39:13.7		SPAWN, Engine = 65535, Parameters = 010, 03, FALSE, 00:16:47.821, 254, FALSE, 32_KPS,	uhf	04-010/21:29:15.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				00:02:00, 00:00:00		
18745	M1O	04-010/21:39:14.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-010/21:29:16.1
18746	M1O	04-010/21:39:16.8		CALL, Engine = , Parameters = 254	get_cmd_opt	04-010/21:29:18.1
18747	M1O	04-010/21:39:59.0		CALL, Engine = , Parameters = 254	get_apid	04-010/21:30:00.3
18748	M1O	04-010/21:40:00.1		CALL, Engine = , Parameters = 254	get_rcv_mode	04-010/21:30:01.4
18749	M1O	04-010/21:40:00.3		CALL, Engine = , Parameters = 254	get_dl_rate	04-010/21:30:01.6
18750	M1O	04-010/21:40:01.4		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-010/21:30:02.7
18751	M1O	04-010/21:40:02.7		CALL, Engine = , Parameters = 254	get_coding	04-010/21:30:04.0
18752	M1O	04-010/21:40:03.9		CALL, Engine = , Parameters = 254	get_xmt_mode	04-010/21:30:05.2
18753	M1O	04-010/21:40:05.1		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-010/21:30:06.4
18754	M1O	04-010/21:41:09.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-010/21:31:11.2
18755	M1O	04-010/21:41:10.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-010/21:31:12.2
18756	M1O	04-010/21:41:11.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-010/21:31:13.2
18757	M1O	04-010/21:41:12.9		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-010/21:31:14.2
18758	M1O	04-010/21:41:13.9		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-010/21:31:15.2
18759	M1O	04-010/21:41:14.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-010/21:31:16.2
18760	M1O	04-010/21:41:15.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-010/21:31:17.2
18761	M1O	04-010/21:44:08.0	65	NOTE: X-Band Transmitter Off in 15 minutes		
18762	M1O	04-010/21:54:08.0	65	Range Modulation Off		
18763	M1O	04-010/21:55:00.0	14	Begin Pre-Cal		
18764	M1O	04-010/21:55:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
18765	M1O	04-010/21:55:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18766	M1O	04-010/21:55:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18767	M1O	04-010/21:55:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18768	M1O	04-010/21:55:00.0	14	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
18769	M1O	04-010/21:55:00.0	14	Config: RCV: Parms:		
18770	M1O	04-010/21:55:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18771	M1O	04-010/21:55:00.0	14	Config: TGC: BAND=X, SR=79632.000000		
18772	M1O	04-010/21:55:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
18773	M1O	04-010/21:55:45.7		NOTE: Enter Solar Eclipse 9200		04-010/21:45:46.9
18774	M1O	04-010/21:57:02.5		NOTE: Ascending Node Crossing 9200		04-010/21:47:03.7
18775	M1O	04-010/21:57:59.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-010/21:48:01.0
18776	M1O	04-010/21:58:00.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-010/21:48:02.1
18777	M1O	04-010/21:58:10.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-010/21:48:12.1
18778	M1O	04-010/21:58:11.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-010/21:48:13.1
18779	M1O	04-010/21:59:08.0	65	X-Band Transmitter Off		
18780	M1O	04-010/22:15:29.1		NOTE: Exit Solar Eclipse 9200		04-010/22:05:30.2
18781	M1O	04-010/22:18:02.8		SPAWN, Engine = 65535, Parameters = 3, 00:30:23, 1	dpt	04-010/22:08:03.9
18782	M1O	04-010/22:18:04.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/22:08:06.0
18783	M1O	04-010/22:18:04.9	65	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18784	M1O	04-010/22:18:05.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-010/22:08:07.0
18785	M1O	04-010/22:19:05.6	65	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18786	M1O	04-010/22:19:05.8		NOTE: ENTER HGA KEEP OUT ZONE		
18787	M1O	04-010/22:19:05.8	65	NOTE: Loss Of X-Band Signal		
18788	M1O	04-010/22:23:31.0	65	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18789	M1O	04-010/22:25:51.5		NOTE: Enter Planetary Atmosphere 9200		04-010/22:15:52.6
18790	M1O	04-010/22:27:01.8		NOTE: North Pole Crossing 9200		04-010/22:17:02.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18791	M1O	04-010/22:27:44.9		NOTE: Enter Earth Occultation 9200		04-010/22:17:46.0
18792	M1O	04-010/22:28:17.3		NOTE: Apoapsis 9200 -		04-010/22:18:18.4
18793	M1O	04-010/22:28:31.0	65	Range Modulation On: SUP=3.0dB		
18794	M1O	04-010/22:29:31.0	65	Begin Ranging Acquisition		
18795	M1O	04-010/22:34:45.9		NOTE: EXIT HGA KEEP OUT ZONE		
18796	M1O	04-010/22:40:00.0	24	Begin Pre-Cal		
18797	M1O	04-010/22:40:00.0	24	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
18798	M1O	04-010/22:40:00.0	24	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18799	M1O	04-010/22:40:00.0	24	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18800	M1O	04-010/22:40:00.0	24	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18801	M1O	04-010/22:40:00.0	24	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
18802	M1O	04-010/22:40:00.0	24	Config: RCV: Parms:		
18803	M1O	04-010/22:40:00.0	24	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18804	M1O	04-010/22:40:00.0	24	Config: TGC: BAND=X, SR=221200.000000		
18805	M1O	04-010/22:40:00.0	24	Config: TXL		
18806	M1O	04-010/22:40:00.0	24	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
18807	M1O	04-010/22:40:00.0	24	Config: CMD		
18808	M1O	04-010/22:40:00.0	24	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
18809	M1O	04-010/22:42:56.0		NOTE: Exit Earth Occultation 9200		04-010/22:32:57.1
18810	M1O	04-010/22:42:56.0	65	Acquisition Of X-Band Signal		
18811	M1O	04-010/22:42:56.0	65	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18812	M1O	04-010/22:43:28.7	65	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18813	M1O	04-010/22:44:50.7		NOTE: Exit Planetary Atmosphere 9200		04-010/22:34:51.7
18814	M1O	04-010/22:46:14.0	65	NOTE: X-Band Transmitter Off in 15 minutes		
18815	M1O	04-010/22:48:28.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-010/22:38:29.0
18816	M1O	04-010/22:48:28.0	65	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18817	M1O	04-010/22:48:29.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-010/22:38:30.0
18818	M1O	04-010/22:56:14.0	65	Range Modulation Off		
18819	M1O	04-010/22:57:03.5		NOTE: Descending Node Crossing 9201		04-010/22:47:04.5
18820	M1O	04-010/23:01:14.0	65	X-Band Transmitter Off		
18821	M1O	04-010/23:09:44.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/22:59:45.0
18822	M1O	04-010/23:09:44.0	65	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18823	M1O	04-010/23:10:00.0	14	Begin Tracking		
18824	M1O	04-010/23:10:00.0	14	Acquire D/L: X/08, 3-Way/65, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18825	M1O	04-010/23:10:01.0		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	04-010/23:00:02.0
18826	M1O	04-010/23:10:01.0	14	D/L Change: X/08, 3-Way/65, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18827	M1O	04-010/23:10:01.0	65	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18828	M1O	04-010/23:10:01.8	65	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
18829	M1O	04-010/23:10:04.0		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-010/23:00:05.0
18830	M1O	04-010/23:10:04.1		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-010/23:00:05.1
18831	M1O	04-010/23:10:05.1		Forces a desaturation of the reaction wheels.	RW_DESAT	04-010/23:00:06.1
18832	M1O	04-010/23:13:01.0		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-010/23:03:02.0
18833	M1O	04-010/23:13:16.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-008T23:03:02.100, 2004-010T23:03:02.100	PCKTS_RE_TX_TIME	04-010/23:03:17.8
18834	M1O	04-010/23:13:17.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-008T23:03:02.100, 2004-010T23:03:02.100	PCKTS_RE_TX_TIME	04-010/23:03:18.8
18835	M1O	04-010/23:13:18.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-008T23:03:02.100, 2004-010T23:03:02.100	PCKTS_RE_TX_TIME	04-010/23:03:19.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18836	M1O	04-010/23:13:19.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-008T23:03:02.100, 2004-010T23:03:02.100	PCKTS_RE_TX_TIME	04-010/23:03:20.8
18837	M1O	04-010/23:13:20.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-008T23:03:02.100, 2004-010T23:03:02.100	PCKTS_RE_TX_TIME	04-010/23:03:21.8
18838	M1O	04-010/23:13:21.8		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-008T23:03:02.100, 2004-010T23:03:02.100	PCKTS_RE_TX_TIME	04-010/23:03:22.8
18839	M1O	04-010/23:13:21.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-010/23:03:22.8
18840	M1O	04-010/23:13:21.8	14	D/L Change: X/08, 3-Way/65, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18841	M1O	04-010/23:13:21.8	65	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18842	M1O	04-010/23:20:22.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/23:10:23.8
18843	M1O	04-010/23:20:22.8	14	D/L Change: X/08, 3-Way/65, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18844	M1O	04-010/23:20:22.8	65	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18845	M1O	04-010/23:20:23.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-010/23:10:24.8
18846	M1O	04-010/23:20:39.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-010/23:10:40.8
18847	M1O	04-010/23:20:39.8	14	D/L RF Warning: SC antenna change - expect signal level variation		
18848	M1O	04-010/23:20:39.8	65	D/L RF Warning: SC antenna change - expect signal level variation		
18849	M1O	04-010/23:20:40.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-010/23:10:41.8
18850	M1O	04-010/23:21:07.0	65	NOTE: Below Uplink Interlock Limit		
18851	M1O	04-010/23:21:12.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18852	M1O	04-010/23:21:12.0	65	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18853	M1O	04-010/23:21:35.1		CALL, Engine = , Parameters = FALSE	park_hga	04-010/23:11:36.1
18854	M1O	04-010/23:21:35.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/23:11:36.1
18855	M1O	04-010/23:21:36.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-010/23:11:37.1
18856	M1O	04-010/23:21:37.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-010/23:11:38.1
18857	M1O	04-010/23:21:37.1		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-010/23:11:38.1
18858	M1O	04-010/23:21:37.1		NOTE: START HGA PARK		
18859	M1O	04-010/23:21:37.1	14	NOTE: Loss Of X-Band Signal		
18860	M1O	04-010/23:21:37.1	65	NOTE: Loss Of X-Band Signal		
18861	M1O	04-010/23:21:38.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-010/23:11:39.1
18862	M1O	04-010/23:21:39.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-010/23:11:40.1
18863	M1O	04-010/23:25:00.0	24	Begin Tracking		
18864	M1O	04-010/23:26:09.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-010/23:16:10.1
18865	M1O	04-010/23:26:22.4		NOTE: South Pole Crossing 9201		04-010/23:16:23.3
18866	M1O	04-010/23:27:10.6		NOTE: Periapsis 9201 ----------		04-010/23:17:11.5
18867	M1O	04-010/23:29:39.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-010/23:19:40.1
18868	M1O	04-010/23:29:39.2		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-010/23:19:40.1
18869	M1O	04-010/23:30:00.0	65	End Tracking		
18870	M1O	04-010/23:36:39.1		SPAWN, Engine = 65535, Parameters = 010, 04, TRUE, 00:16:51, 254, FALSE, 32_KPS, 00:05:00, 00:00:00	uhf	04-010/23:26:40.0
18871	M1O	04-010/23:36:40.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-010/23:26:41.1
18872	M1O	04-010/23:36:42.2		CALL, Engine = , Parameters = 254	get_cmd_opt	04-010/23:26:43.1
18873	M1O	04-010/23:36:42.5		CALL, Engine = , Parameters = 010, 04, 254	bld_autosw	04-010/23:26:43.4

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18874	M1O	04-010/23:36:43.6		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-010/23:26:44.5
18875	M1O	04-010/23:36:44.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/23:26:45.6
18876	M1O	04-010/23:36:45.7		Deletes the designated file.: d:/dat/254_doy010_pass04_file01.dat	FILE_DELETE	04-010/23:26:46.6
18877	M1O	04-010/23:36:46.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/23:26:47.7
18878	M1O	04-010/23:36:47.8		Deletes the designated file.: d:/dat/254_doy010_pass04_file02.dat	FILE_DELETE	04-010/23:26:48.7
18879	M1O	04-010/23:36:48.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/23:26:49.8
18880	M1O	04-010/23:36:49.9		Deletes the designated file.: d:/dat/254_doy010_pass04_file03.dat	FILE_DELETE	04-010/23:26:50.8
18881	M1O	04-010/23:36:51.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/23:26:51.9
18882	M1O	04-010/23:36:52.0		Deletes the designated file.: d:/dat/254_doy010_pass04_file04.dat	FILE_DELETE	04-010/23:26:52.9
18883	M1O	04-010/23:36:53.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/23:26:54.0
18884	M1O	04-010/23:36:54.1		Deletes the designated file.: d:/dat/254_doy010_pass04_file05.dat	FILE_DELETE	04-010/23:26:55.0
18885	M1O	04-010/23:36:55.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/23:26:56.1
18886	M1O	04-010/23:36:56.2		Deletes the designated file.: d:/dat/254_doy010_pass04_file06.dat	FILE_DELETE	04-010/23:26:57.1
18887	M1O	04-010/23:36:57.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/23:26:58.2
18888	M1O	04-010/23:36:58.3		Deletes the designated file.: d:/dat/254_doy010_pass04_file07.dat	FILE_DELETE	04-010/23:26:59.2
18889	M1O	04-010/23:36:59.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/23:27:00.3
18890	M1O	04-010/23:37:00.4		Deletes the designated file.: d:/dat/254_doy010_pass04_file08.dat	FILE_DELETE	04-010/23:27:01.3
18891	M1O	04-010/23:37:01.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/23:27:02.4
18892	M1O	04-010/23:37:02.5		Deletes the designated file.: d:/dat/254_doy010_pass04_file09.dat	FILE_DELETE	04-010/23:27:03.4
18893	M1O	04-010/23:37:03.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/23:27:04.5
18894	M1O	04-010/23:37:04.6		Deletes the designated file.: d:/dat/254_doy010_pass04_file10.dat	FILE_DELETE	04-010/23:27:05.5
18895	M1O	04-010/23:37:05.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/23:27:06.6
18896	M1O	04-010/23:37:06.7		Deletes the designated file.: d:/dat/254_doy010_pass04_file11.dat	FILE_DELETE	04-010/23:27:07.6
18897	M1O	04-010/23:37:07.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/23:27:08.7
18898	M1O	04-010/23:37:08.8		Deletes the designated file.: d:/dat/254_doy010_pass04_file12.dat	FILE_DELETE	04-010/23:27:09.7
18899	M1O	04-010/23:37:09.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/23:27:10.8
18900	M1O	04-010/23:37:10.9		Deletes the designated file.: d:/dat/254_doy010_pass04_file13.dat	FILE_DELETE	04-010/23:27:11.8
18901	M1O	04-010/23:37:12.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/23:27:12.9
18902	M1O	04-010/23:37:13.0		Deletes the designated file.: d:/dat/254_doy010_pass04_file14.dat	FILE_DELETE	04-010/23:27:13.9
18903	M1O	04-010/23:37:14.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/23:27:15.0
18904	M1O	04-010/23:37:15.1		Deletes the designated file.: d:/dat/254_doy010_pass04_file15.dat	FILE_DELETE	04-010/23:27:16.0
18905	M1O	04-010/23:37:16.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/23:27:17.1
18906	M1O	04-010/23:37:17.2		Deletes the designated file.: d:/dat/254_doy010_pass04_file16.dat	FILE_DELETE	04-010/23:27:18.1
18907	M1O	04-010/23:37:18.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/23:27:19.2
18908	M1O	04-010/23:37:19.3		Deletes the designated file.: d:/dat/254_doy010_pass04_file17.dat	FILE_DELETE	04-010/23:27:20.2
18909	M1O	04-010/23:37:20.4		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-010/23:27:21.3

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				d:/dat/254_doy010_pass04_file18.dat, d:/dat/autoswitch.dat		
18910	M1O	04-010/23:37:21.4		Deletes the designated file.: d:/dat/254_doy010_pass04_file18.dat	FILE_DELETE	04-010/23:27:22.3
18911	M1O	04-010/23:37:22.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy010_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-010/23:27:23.4
18912	M1O	04-010/23:37:23.5		Deletes the designated file.: d:/dat/254_doy010_pass04_file19.dat	FILE_DELETE	04-010/23:27:24.4
18913	M1O	04-010/23:37:24.5		CALL, Engine = , Parameters = 254	get_apid	04-010/23:27:25.4
18914	M1O	04-010/23:37:25.6		CALL, Engine = , Parameters = 254	get_rcv_mode	04-010/23:27:26.5
18915	M1O	04-010/23:37:25.8		CALL, Engine = , Parameters = 254	get_dl_rate	04-010/23:27:26.7
18916	M1O	04-010/23:37:26.9		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-010/23:27:27.8
18917	M1O	04-010/23:37:28.2		CALL, Engine = , Parameters = 254	get_coding	04-010/23:27:29.1
18918	M1O	04-010/23:37:29.4		CALL, Engine = , Parameters = 254	get_xmt_mode	04-010/23:27:30.3
18919	M1O	04-010/23:37:30.6		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-010/23:27:31.5
18920	M1O	04-010/23:38:35.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-010/23:28:36.3
18921	M1O	04-010/23:38:36.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-010/23:28:37.3
18922	M1O	04-010/23:38:37.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-010/23:28:38.3
18923	M1O	04-010/23:38:38.4		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-010/23:28:39.3
18924	M1O	04-010/23:38:39.4		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-010/23:28:40.3
18925	M1O	04-010/23:38:40.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-010/23:28:41.3
18926	M1O	04-010/23:38:41.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-010/23:28:42.3
18927	M1O	04-010/23:43:31.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-010/23:33:32.3
18928	M1O	04-010/23:43:41.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-010/23:33:42.3
18929	M1O	04-010/23:45:00.0	65	End Post-Cal		
18930	M1O	04-010/23:54:21.8		NOTE: Enter Solar Eclipse 9201		04-010/23:44:22.6
18931	M1O	04-010/23:55:30.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-010/23:45:31.3
18932	M1O	04-010/23:55:31.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-010/23:45:32.4
18933	M1O	04-010/23:55:39.1		NOTE: Ascending Node Crossing 9201		04-010/23:45:39.9
18934	M1O	04-010/23:55:41.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-010/23:45:42.4
18935	M1O	04-010/23:55:42.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-010/23:45:43.4
18936	M1O	04-010/23:55:43.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-010/23:45:44.4
18937	M1O	04-010/23:55:44.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-010/23:45:45.4
18938	M1O	04-010/23:59:39.1		GV: GV_DESAT_ACTIVE = 1		04-010/23:49:40.0
18939	M1O	04-010/23:59:40.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-010/23:49:41.0
18940	M1O	04-010/23:59:40.1		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-010/23:49:41.0
18941	M1O	04-011/00:00:00.0		Light Time: OWLT = 09:59, RTLT = 19:58		
18942	M1O	04-011/00:09:39.2		GV: GV_DESAT_ACTIVE = 0		04-010/23:59:40.0
18943	M1O	04-011/00:09:40.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-010/23:59:41.0
18944	M1O	04-011/00:09:41.2		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-010/23:59:42.0
18945	M1O	04-011/00:09:42.2		CALL, Engine = , Parameters =	unpark_hga	04-010/23:59:43.0
18946	M1O	04-011/00:09:42.2		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-010/23:59:43.0
18947	M1O	04-011/00:09:43.2		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-010/23:59:44.0
18948	M1O	04-011/00:14:04.4		NOTE: Exit Solar Eclipse 9201		04-011/00:04:05.2
18949	M1O	04-011/00:14:13.2		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-011/00:04:14.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18950	M1O	04-011/00:14:14.2		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-011/00:04:15.0
18951	M1O	04-011/00:18:03.2		NOTE: ENTER HGA KEEP OUT ZONE		
18952	M1O	04-011/00:18:14.2		NOTE: EXIT HGA PARK		
18953	M1O	04-011/00:22:06.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18954	M1O	04-011/00:24:28.4		NOTE: Enter Planetary Atmosphere 9201		04-011/00:14:29.1
18955	M1O	04-011/00:25:38.4		NOTE: North Pole Crossing 9201		04-011/00:15:39.1
18956	M1O	04-011/00:26:21.8		NOTE: Enter Earth Occultation 9201		04-011/00:16:22.5
18957	M1O	04-011/00:26:41.4		NOTE: Apoapsis 9201 -		04-011/00:16:42.1
18958	M1O	04-011/00:27:06.0	24	Range Modulation On: SUP=3.0dB		
18959	M1O	04-011/00:28:06.0	24	Begin Ranging Acquisition		
18960	M1O	04-011/00:33:23.3		NOTE: EXIT HGA KEEP OUT ZONE		
18961	M1O	04-011/00:41:07.8		SPAWN, Engine = 65535, Parameters = 00:05:31.618	cstr	04-011/00:31:08.4
18962	M1O	04-011/00:41:07.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/00:31:08.5
18963	M1O	04-011/00:41:08.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-011/00:31:09.5
18964	M1O	04-011/00:41:09.9		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-011/00:31:10.5
18965	M1O	04-011/00:41:10.9		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-011/00:31:11.5
18966	M1O	04-011/00:41:11.9		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-011/00:31:12.5
18967	M1O	04-011/00:41:21.9		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-011/00:31:22.5
18968	M1O	04-011/00:41:31.9		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-011/00:31:32.5
18969	M1O	04-011/00:41:32.8		NOTE: Exit Earth Occultation 9201		04-011/00:31:33.4
18970	M1O	04-011/00:41:32.8	14	Acquisition Of X-Band Signal		
18971	M1O	04-011/00:41:32.8	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18972	M1O	04-011/00:41:32.8	24	Acquisition Of X-Band Signal		
18973	M1O	04-011/00:41:32.8	24	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18974	M1O	04-011/00:42:04.5	14	Acquire D/L: X/08, 3-Way/24, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18975	M1O	04-011/00:42:04.5	24	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18976	M1O	04-011/00:43:27.4		NOTE: Exit Planetary Atmosphere 9201		04-011/00:33:28.1
18977	M1O	04-011/00:47:03.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-011/00:37:04.2
18978	M1O	04-011/00:47:04.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-011/00:37:05.2
18979	M1O	04-011/00:47:04.5	14	D/L Change: X/08, 3-Way/24, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18980	M1O	04-011/00:47:04.5	24	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18981	M1O	04-011/00:47:05.5		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-011/00:37:06.2
18982	M1O	04-011/00:55:40.0		NOTE: Descending Node Crossing 9202		04-011/00:45:40.6
18983	M1O	04-011/01:24:59.0		NOTE: South Pole Crossing 9202		04-011/01:14:59.5
18984	M1O	04-011/01:25:42.6		NOTE: Periapsis 9202 ----------		04-011/01:15:43.1
18985	M1O	04-011/01:41:39.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
18986	M1O	04-011/01:51:39.0	24	Range Modulation Off		
18987	M1O	04-011/01:52:58.5		NOTE: Enter Solar Eclipse 9202		04-011/01:42:59.0
18988	M1O	04-011/01:54:15.8		NOTE: Ascending Node Crossing 9202		04-011/01:44:16.2
18989	M1O	04-011/01:56:39.0	24	X-Band Transmitter Off		
18990	M1O	04-011/02:12:43.0		NOTE: Exit Solar Eclipse 9202		04-011/02:02:43.4
18991	M1O	04-011/02:15:35.7		SPAWN, Engine = 65535, Parameters = 3, 00:30:06, 1	dpt	04-011/02:05:36.1
18992	M1O	04-011/02:15:37.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/02:05:38.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18993	M1O	04-011/02:15:37.8	14	D/L Change: X/08, 3-Way/24, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18994	M1O	04-011/02:15:37.8	24	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18995	M1O	04-011/02:15:38.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-011/02:05:39.2
18996	M1O	04-011/02:16:38.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18997	M1O	04-011/02:16:38.1	24	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18998	M1O	04-011/02:16:39.6		NOTE: ENTER HGA KEEP OUT ZONE		
18999	M1O	04-011/02:16:39.6	14	NOTE: Loss Of X-Band Signal		
19000	M1O	04-011/02:16:39.6	24	NOTE: Loss Of X-Band Signal		
19001	M1O	04-011/02:20:45.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19002	M1O	04-011/02:22:59.0		NOTE: Enter Planetary Atmosphere 9202		04-011/02:12:59.4
19003	M1O	04-011/02:24:14.1		NOTE: North Pole Crossing 9202		04-011/02:14:14.5
19004	M1O	04-011/02:24:51.4		NOTE: Enter Earth Occultation 9202		04-011/02:14:51.8
19005	M1O	04-011/02:25:03.9		NOTE: Apoapsis 9202 -		04-011/02:15:04.2
19006	M1O	04-011/02:25:45.0	24	Range Modulation On: SUP=3.0dB		
19007	M1O	04-011/02:26:45.0	24	Begin Ranging Acquisition		
19008	M1O	04-011/02:31:59.6		NOTE: EXIT HGA KEEP OUT ZONE		
19009	M1O	04-011/02:40:12.4		NOTE: Exit Earth Occultation 9202		04-011/02:30:12.7
19010	M1O	04-011/02:40:12.4	14	Acquisition Of X-Band Signal		
19011	M1O	04-011/02:40:12.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19012	M1O	04-011/02:40:12.4	24	Acquisition Of X-Band Signal		
19013	M1O	04-011/02:40:12.4	24	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19014	M1O	04-011/02:40:44.2	14	Acquire D/L: X/08, 3-Way/24, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19015	M1O	04-011/02:40:44.2	24	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19016	M1O	04-011/02:42:05.9		NOTE: Exit Planetary Atmosphere 9202		04-011/02:32:06.2
19017	M1O	04-011/02:45:43.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-011/02:35:44.2
19018	M1O	04-011/02:45:43.9	14	D/L Change: X/08, 3-Way/24, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19019	M1O	04-011/02:45:43.9	24	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19020	M1O	04-011/02:45:44.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-011/02:35:45.2
19021	M1O	04-011/02:54:14.4		NOTE: Descending Node Crossing 9203		04-011/02:44:14.7
19022	M1O	04-011/03:23:33.4		NOTE: South Pole Crossing 9203		04-011/03:13:33.5
19023	M1O	04-011/03:24:18.2		NOTE: Periapsis 9203 ----------		04-011/03:14:18.3
19024	M1O	04-011/03:38:57.8		SPAWN, Engine = 65535, Parameters = 011, 01, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-011/03:28:58.0
19025	M1O	04-011/03:38:58.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/03:28:58.5
19026	M1O	04-011/03:38:58.3	14	D/L Change: X/08, 3-Way/24, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19027	M1O	04-011/03:38:58.3	24	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19028	M1O	04-011/03:38:58.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-011/03:28:59.1
19029	M1O	04-011/03:39:00.9		CALL, Engine = , Parameters = 56	get_cmd_opt	04-011/03:29:01.1
19030	M1O	04-011/03:39:01.2		CALL, Engine = , Parameters = 011, 01, 056	bld_autosw	04-011/03:29:01.4
19031	M1O	04-011/03:39:02.3		Copies the file designated in the source_path to the target_path.:	FILE_COPY	04-011/03:29:02.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE		
19032	M1O	04-011/03:39:03.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/03:29:03.6
19033	M1O	04-011/03:39:04.4		Deletes the designated file.: d:/dat/056_doy011_pass01_file01.dat	FILE_DELETE	04-011/03:29:04.6
19034	M1O	04-011/03:39:05.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/03:29:05.7
19035	M1O	04-011/03:39:06.5		Deletes the designated file.: d:/dat/056_doy011_pass01_file02.dat	FILE_DELETE	04-011/03:29:06.7
19036	M1O	04-011/03:39:07.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/03:29:07.8
19037	M1O	04-011/03:39:08.6		Deletes the designated file.: d:/dat/056_doy011_pass01_file03.dat	FILE_DELETE	04-011/03:29:08.8
19038	M1O	04-011/03:39:09.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/03:29:09.9
19039	M1O	04-011/03:39:10.7		Deletes the designated file.: d:/dat/056_doy011_pass01_file04.dat	FILE_DELETE	04-011/03:29:10.9
19040	M1O	04-011/03:39:11.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/03:29:12.0
19041	M1O	04-011/03:39:12.8		Deletes the designated file.: d:/dat/056_doy011_pass01_file05.dat	FILE_DELETE	04-011/03:29:13.0
19042	M1O	04-011/03:39:13.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/03:29:14.1
19043	M1O	04-011/03:39:14.9		Deletes the designated file.: d:/dat/056_doy011_pass01_file06.dat	FILE_DELETE	04-011/03:29:15.1
19044	M1O	04-011/03:39:16.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/03:29:16.2
19045	M1O	04-011/03:39:17.0		Deletes the designated file.: d:/dat/056_doy011_pass01_file07.dat	FILE_DELETE	04-011/03:29:17.2
19046	M1O	04-011/03:39:18.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/03:29:18.3
19047	M1O	04-011/03:39:19.1		Deletes the designated file.: d:/dat/056_doy011_pass01_file08.dat	FILE_DELETE	04-011/03:29:19.3
19048	M1O	04-011/03:39:20.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/03:29:20.4
19049	M1O	04-011/03:39:21.2		Deletes the designated file.: d:/dat/056_doy011_pass01_file09.dat	FILE_DELETE	04-011/03:29:21.4
19050	M1O	04-011/03:39:22.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/03:29:22.5
19051	M1O	04-011/03:39:23.3		Deletes the designated file.: d:/dat/056_doy011_pass01_file10.dat	FILE_DELETE	04-011/03:29:23.5
19052	M1O	04-011/03:39:24.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/03:29:24.6
19053	M1O	04-011/03:39:25.4		Deletes the designated file.: d:/dat/056_doy011_pass01_file11.dat	FILE_DELETE	04-011/03:29:25.6
19054	M1O	04-011/03:39:26.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/03:29:26.7
19055	M1O	04-011/03:39:27.5		Deletes the designated file.: d:/dat/056_doy011_pass01_file12.dat	FILE_DELETE	04-011/03:29:27.7
19056	M1O	04-011/03:39:28.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/03:29:28.8
19057	M1O	04-011/03:39:29.6		Deletes the designated file.: d:/dat/056_doy011_pass01_file13.dat	FILE_DELETE	04-011/03:29:29.8
19058	M1O	04-011/03:39:30.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/03:29:30.9
19059	M1O	04-011/03:39:31.7		Deletes the designated file.: d:/dat/056_doy011_pass01_file14.dat	FILE_DELETE	04-011/03:29:31.9
19060	M1O	04-011/03:39:32.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/03:29:33.0
19061	M1O	04-011/03:39:33.8		Deletes the designated file.: d:/dat/056_doy011_pass01_file15.dat	FILE_DELETE	04-011/03:29:34.0
19062	M1O	04-011/03:39:34.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/03:29:35.1
19063	M1O	04-011/03:39:35.9		Deletes the designated file.: d:/dat/056_doy011_pass01_file16.dat	FILE_DELETE	04-011/03:29:36.1
19064	M1O	04-011/03:39:37.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/03:29:37.2
19065	M1O	04-011/03:39:38.0		Deletes the designated file.: d:/dat/056_doy011_pass01_file17.dat	FILE_DELETE	04-011/03:29:38.2
19066	M1O	04-011/03:39:39.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/03:29:39.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19067	M1O	04-011/03:39:40.1		Deletes the designated file.: d:/dat/056_doy011_pass01_file18.dat	FILE_DELETE	04-011/03:29:40.3
19068	M1O	04-011/03:39:41.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/03:29:41.4
19069	M1O	04-011/03:39:42.2		Deletes the designated file.: d:/dat/056_doy011_pass01_file19.dat	FILE_DELETE	04-011/03:29:42.4
19070	M1O	04-011/03:39:43.2		CALL, Engine = , Parameters = 56	get_apid	04-011/03:29:43.4
19071	M1O	04-011/03:39:44.3		CALL, Engine = , Parameters = 56	get_rcv_mode	04-011/03:29:44.5
19072	M1O	04-011/03:39:44.5		CALL, Engine = , Parameters = 56	get_dl_rate	04-011/03:29:44.7
19073	M1O	04-011/03:39:45.6		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-011/03:29:45.8
19074	M1O	04-011/03:39:46.8		CALL, Engine = , Parameters = 56	get_coding	04-011/03:29:47.0
19075	M1O	04-011/03:39:48.0		CALL, Engine = , Parameters = 56	get_xmt_mode	04-011/03:29:48.2
19076	M1O	04-011/03:39:49.2		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-011/03:29:49.4
19077	M1O	04-011/03:39:53.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
19078	M1O	04-011/03:40:54.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-011/03:30:54.2
19079	M1O	04-011/03:40:55.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-011/03:30:55.2
19080	M1O	04-011/03:40:56.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-011/03:30:56.2
19081	M1O	04-011/03:40:57.0		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-011/03:30:57.2
19082	M1O	04-011/03:40:58.0		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-011/03:30:58.2
19083	M1O	04-011/03:40:59.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-011/03:30:59.2
19084	M1O	04-011/03:41:00.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-011/03:31:00.2
19085	M1O	04-011/03:42:50.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/03:32:50.2
19086	M1O	04-011/03:43:00.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-011/03:33:00.2
19087	M1O	04-011/03:49:53.0	24	Range Modulation Off		
19088	M1O	04-011/03:51:32.4		NOTE: Enter Solar Eclipse 9203		04-011/03:41:32.4
19089	M1O	04-011/03:52:50.1		NOTE: Ascending Node Crossing 9203		04-011/03:42:50.1
19090	M1O	04-011/03:54:53.0	24	X-Band Transmitter Off		
19091	M1O	04-011/04:11:20.3		NOTE: Exit Solar Eclipse 9203		04-011/04:01:20.3
19092	M1O	04-011/04:12:58.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-011/04:02:58.2
19093	M1O	04-011/04:12:59.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-011/04:02:59.3
19094	M1O	04-011/04:13:09.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-011/04:03:09.3
19095	M1O	04-011/04:13:10.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-011/04:03:10.3
19096	M1O	04-011/04:13:11.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-011/04:03:11.3
19097	M1O	04-011/04:13:11.2	14	D/L Change: X/08, 3-Way/24, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19098	M1O	04-011/04:13:11.2	24	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19099	M1O	04-011/04:13:12.2		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-011/04:03:12.3
19100	M1O	04-011/04:13:50.0		SPAWN, Engine = 65535, Parameters = 3, 00:30:28, 1	dpt	04-011/04:03:50.1
19101	M1O	04-011/04:13:52.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/04:03:52.2
19102	M1O	04-011/04:13:53.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-011/04:03:53.2
19103	M1O	04-011/04:14:52.8	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19104	M1O	04-011/04:14:52.8	24	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19105	M1O	04-011/04:14:53.9		NOTE: ENTER HGA KEEP OUT ZONE		
19106	M1O	04-011/04:14:53.9	14	NOTE: Loss Of X-Band Signal		
19107	M1O	04-011/04:14:53.9	24	NOTE: Loss Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19108	M1O	04-011/04:19:21.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19109	M1O	04-011/04:21:26.6		NOTE: Enter Planetary Atmosphere 9203		04-011/04:11:26.6
19110	M1O	04-011/04:22:47.3		NOTE: North Pole Crossing 9203		04-011/04:12:47.3
19111	M1O	04-011/04:23:18.1		NOTE: Enter Earth Occultation 9203		04-011/04:13:18.1
19112	M1O	04-011/04:23:45.7		NOTE: Apoapsis 9203 -		04-011/04:13:45.7
19113	M1O	04-011/04:24:21.0	24	Range Modulation On: SUP=3.0dB		
19114	M1O	04-011/04:25:00.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
19115	M1O	04-011/04:25:21.0	24	Begin Ranging Acquisition		
19116	M1O	04-011/04:30:34.0		NOTE: EXIT HGA KEEP OUT ZONE		
19117	M1O	04-011/04:35:00.0	24	Range Modulation Off		
19118	M1O	04-011/04:38:48.5		NOTE: Exit Earth Occultation 9203		04-011/04:28:48.5
19119	M1O	04-011/04:38:48.5	14	Acquisition Of X-Band Signal		
19120	M1O	04-011/04:38:48.5	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19121	M1O	04-011/04:38:48.5	24	Acquisition Of X-Band Signal		
19122	M1O	04-011/04:38:48.5	24	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19123	M1O	04-011/04:39:21.0	14	Acquire D/L: X/08, 3-Way/24, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19124	M1O	04-011/04:39:21.0	24	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19125	M1O	04-011/04:40:00.0	24	X-Band Transmitter Off		
19126	M1O	04-011/04:40:41.2		NOTE: Exit Planetary Atmosphere 9203		04-011/04:30:41.1
19127	M1O	04-011/04:44:20.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-011/04:34:20.2
19128	M1O	04-011/04:44:20.2	14	D/L Change: X/08, 3-Way/24, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19129	M1O	04-011/04:44:20.2	24	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19130	M1O	04-011/04:44:21.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-011/04:34:21.2
19131	M1O	04-011/04:45:00.0	24	End Tracking		
19132	M1O	04-011/04:45:00.0	43	Begin Pre-Cal		
19133	M1O	04-011/04:45:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
19134	M1O	04-011/04:45:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
19135	M1O	04-011/04:45:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
19136	M1O	04-011/04:45:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
19137	M1O	04-011/04:45:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
19138	M1O	04-011/04:45:00.0	43	Config: RCV: Parms:		
19139	M1O	04-011/04:45:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
19140	M1O	04-011/04:45:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
19141	M1O	04-011/04:45:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
19142	M1O	04-011/04:52:46.6		NOTE: Descending Node Crossing 9204		04-011/04:42:46.5
19143	M1O	04-011/04:58:57.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-011/04:48:57.1
19144	M1O	04-011/04:58:59.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/04:48:59.2
19145	M1O	04-011/04:58:59.3	14	D/L Change: X/08, 3-Way/24, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19146	M1O	04-011/04:59:00.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-011/04:49:00.2
19147	M1O	04-011/05:00:00.0	24	End Post-Cal		
19148	M1O	04-011/05:00:00.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19149	M1O	04-011/05:04:59.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-011/04:54:59.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19150	M1O	04-011/05:04:59.3	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19151	M1O	04-011/05:05:00.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-011/04:55:00.2
19152	M1O	04-011/05:22:04.8		NOTE: South Pole Crossing 9204		04-011/05:12:04.6
19153	M1O	04-011/05:22:49.0		NOTE: Periapsis 9204 ----------		04-011/05:12:48.8
19154	M1O	04-011/05:45:34.2		SPAWN, Engine = 65535, Parameters = 011, 02, FALSE, 00:14:05.606, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-011/05:35:34.0
19155	M1O	04-011/05:45:35.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-011/05:35:35.1
19156	M1O	04-011/05:45:37.3		CALL, Engine = , Parameters = 56	get_cmd_opt	04-011/05:35:37.1
19157	M1O	04-011/05:46:19.5		CALL, Engine = , Parameters = 56	get_apid	04-011/05:36:19.3
19158	M1O	04-011/05:46:20.6		CALL, Engine = , Parameters = 56	get_rcv_mode	04-011/05:36:20.4
19159	M1O	04-011/05:46:20.8		CALL, Engine = , Parameters = 56	get_dl_rate	04-011/05:36:20.6
19160	M1O	04-011/05:46:21.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-011/05:36:21.7
19161	M1O	04-011/05:46:23.1		CALL, Engine = , Parameters = 56	get_coding	04-011/05:36:22.9
19162	M1O	04-011/05:46:24.3		CALL, Engine = , Parameters = 56	get_xmt_mode	04-011/05:36:24.1
19163	M1O	04-011/05:46:25.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-011/05:36:25.3
19164	M1O	04-011/05:47:30.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-011/05:37:30.1
19165	M1O	04-011/05:47:31.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-011/05:37:31.1
19166	M1O	04-011/05:47:32.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-011/05:37:32.1
19167	M1O	04-011/05:47:33.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-011/05:37:33.1
19168	M1O	04-011/05:47:34.3		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-011/05:37:34.1
19169	M1O	04-011/05:47:35.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-011/05:37:35.1
19170	M1O	04-011/05:47:36.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-011/05:37:36.1
19171	M1O	04-011/05:50:02.8		NOTE: Enter Solar Eclipse 9204		04-011/05:40:02.5
19172	M1O	04-011/05:51:21.0		NOTE: Ascending Node Crossing 9204		04-011/05:41:20.7
19173	M1O	04-011/06:01:38.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-011/05:51:37.7
19174	M1O	04-011/06:01:39.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-011/05:51:38.8
19175	M1O	04-011/06:01:49.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-011/05:51:48.8
19176	M1O	04-011/06:01:50.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-011/05:51:49.8
19177	M1O	04-011/06:09:51.2		NOTE: Exit Solar Eclipse 9204		04-011/05:59:50.8
19178	M1O	04-011/06:12:24.3		SPAWN, Engine = 65535, Parameters = 3, 00:29:52.811, 1	dpt	04-011/06:02:24.0
19179	M1O	04-011/06:12:26.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/06:02:26.1
19180	M1O	04-011/06:12:26.4	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19181	M1O	04-011/06:12:27.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-011/06:02:27.1
19182	M1O	04-011/06:13:26.3		NOTE: ENTER HGA KEEP OUT ZONE		
19183	M1O	04-011/06:13:26.3	14	NOTE: Loss Of X-Band Signal		
19184	M1O	04-011/06:19:57.4		NOTE: Enter Planetary Atmosphere 9204		04-011/06:09:57.0
19185	M1O	04-011/06:21:18.5		NOTE: North Pole Crossing 9204		04-011/06:11:18.1
19186	M1O	04-011/06:21:48.9		NOTE: Enter Earth Occultation 9204		04-011/06:11:48.5
19187	M1O	04-011/06:22:17.1		NOTE: Apoapsis 9204 -		04-011/06:12:16.7
19188	M1O	04-011/06:29:06.4		NOTE: EXIT HGA KEEP OUT ZONE		
19189	M1O	04-011/06:30:00.0	43	Begin Tracking		
19190	M1O	04-011/06:37:19.2		NOTE: Exit Earth Occultation 9204		04-011/06:27:18.8
19191	M1O	04-011/06:37:19.2	14	Acquisition Of X-Band Signal		
19192	M1O	04-011/06:37:19.2	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19193	M1O	04-011/06:37:19.2	43	Acquisition Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19194	M1O	04-011/06:37:19.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19195	M1O	04-011/06:39:11.9		NOTE: Exit Planetary Atmosphere 9204		04-011/06:29:11.5
19196	M1O	04-011/06:42:19.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-011/06:32:18.9
19197	M1O	04-011/06:42:19.3	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19198	M1O	04-011/06:42:19.3	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19199	M1O	04-011/06:42:20.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-011/06:32:19.9
19200	M1O	04-011/06:51:17.9		NOTE: Descending Node Crossing 9205		04-011/06:41:17.5
19201	M1O	04-011/06:51:52.0	14	NOTE: Below Uplink Interlock Limit		
19202	M1O	04-011/07:00:00.0	14	End Tracking		
19203	M1O	04-011/07:10:00.5		SPAWN, Engine = 65535, Parameters =	scdiag	04-011/07:00:00.0
19204	M1O	04-011/07:10:01.6		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-011/07:00:01.1
19205	M1O	04-011/07:10:02.6		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-011/07:00:02.1
19206	M1O	04-011/07:11:03.5		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-011/07:01:03.0
19207	M1O	04-011/07:11:03.7		NOTE: Start Block fsw_diag		04-011/07:01:03.2
19208	M1O	04-011/07:11:04.7		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-011/07:01:04.2
19209	M1O	04-011/07:11:05.7		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	04-011/07:01:05.2
19210	M1O	04-011/07:11:16.7		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	04-011/07:01:16.2
19211	M1O	04-011/07:11:46.7		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-011/07:01:46.2
19212	M1O	04-011/07:12:06.7		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-011/07:02:06.2
19213	M1O	04-011/07:12:16.7		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-011/07:02:16.2
19214	M1O	04-011/07:12:36.7		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-011/07:02:36.2
19215	M1O	04-011/07:12:46.7		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-011/07:02:46.2
19216	M1O	04-011/07:12:51.7		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-011/07:02:51.2
19217	M1O	04-011/07:12:56.7		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-011/07:02:56.2
19218	M1O	04-011/07:13:01.7		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-011/07:03:01.2
19219	M1O	04-011/07:13:06.7		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-011/07:03:06.2
19220	M1O	04-011/07:13:11.7		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-011/07:03:11.2
19221	M1O	04-011/07:13:51.7		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-011/07:03:51.2
19222	M1O	04-011/07:13:56.7		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-011/07:03:56.2
19223	M1O	04-011/07:14:01.7		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-011/07:04:01.2
19224	M1O	04-011/07:14:06.7		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-011/07:04:06.2
19225	M1O	04-011/07:14:11.7		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-011/07:04:11.2
19226	M1O	04-011/07:14:12.7		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-011/07:04:12.2
19227	M1O	04-011/07:14:13.7		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-011/07:04:13.2
19228	M1O	04-011/07:14:14.7		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-011/07:04:14.2
19229	M1O	04-011/07:14:25.7		NOTE: End Block fsw_diag.mod		04-011/07:04:25.2
19230	M1O	04-011/07:15:00.0	14	End Post-Cal		
19231	M1O	04-011/07:20:35.6		NOTE: South Pole Crossing 9205		04-011/07:10:35.0
19232	M1O	04-011/07:21:01.8		NOTE: Periapsis 9205 ----------		04-011/07:11:01.3
19233	M1O	04-011/07:48:35.5		NOTE: Enter Solar Eclipse 9205		04-011/07:38:34.8
19234	M1O	04-011/07:49:52.0		NOTE: Ascending Node Crossing 9205		04-011/07:39:51.4
19235	M1O	04-011/08:08:16.9		NOTE: Exit Solar Eclipse 9205		04-011/07:58:16.2
19236	M1O	04-011/08:10:55.7		SPAWN, Engine = 65535, Parameters = 3, 00:29:47.904, 1	dpt	04-011/08:00:55.0
19237	M1O	04-011/08:10:57.8		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-011/08:00:57.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
19238	M1O	04-011/08:10:57.8	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19239	M1O	04-011/08:10:58.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-011/08:00:58.1
19240	M1O	04-011/08:11:57.7		NOTE: ENTER HGA KEEP OUT ZONE		
19241	M1O	04-011/08:11:57.7	43	NOTE: Loss Of X-Band Signal		
19242	M1O	04-011/08:18:36.7		NOTE: Enter Planetary Atmosphere 9205		04-011/08:08:35.9
19243	M1O	04-011/08:19:50.8		NOTE: North Pole Crossing 9205		04-011/08:09:50.0
19244	M1O	04-011/08:20:29.6		NOTE: Enter Earth Occultation 9205		04-011/08:10:28.9
19245	M1O	04-011/08:20:30.8		NOTE: Apoapsis 9205 -		04-011/08:10:30.0
19246	M1O	04-011/08:27:37.7		NOTE: EXIT HGA KEEP OUT ZONE		
19247	M1O	04-011/08:35:45.7		NOTE: Exit Earth Occultation 9205		04-011/08:25:44.9
19248	M1O	04-011/08:35:45.7	43	Acquisition Of X-Band Signal		
19249	M1O	04-011/08:35:45.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19250	M1O	04-011/08:37:39.9		NOTE: Exit Planetary Atmosphere 9205		04-011/08:27:39.1
19251	M1O	04-011/08:40:45.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-011/08:30:45.0
19252	M1O	04-011/08:40:45.8	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19253	M1O	04-011/08:40:46.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-011/08:30:46.0
19254	M1O	04-011/08:49:51.1		NOTE: Descending Node Crossing 9206		04-011/08:39:50.2
19255	M1O	04-011/09:19:09.9		NOTE: South Pole Crossing 9206		04-011/09:09:09.0
19256	M1O	04-011/09:19:32.8		NOTE: Periapsis 9206 ----------		04-011/09:09:31.8
19257	M1O	04-011/09:47:12.7		NOTE: Enter Solar Eclipse 9206		04-011/09:37:11.6
19258	M1O	04-011/09:48:27.6		NOTE: Ascending Node Crossing 9206		04-011/09:38:26.5
19259	M1O	04-011/10:06:48.5		NOTE: Exit Solar Eclipse 9206		04-011/09:56:47.4
19260	M1O	04-011/10:09:29.1		SPAWN, Engine = 65535, Parameters = 3, 00:29:45.240, 1	dpt	04-011/09:59:28.0
19261	M1O	04-011/10:09:31.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/09:59:30.1
19262	M1O	04-011/10:09:31.2	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19263	M1O	04-011/10:09:32.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-011/09:59:31.1
19264	M1O	04-011/10:10:31.1		NOTE: ENTER HGA KEEP OUT ZONE		
19265	M1O	04-011/10:10:31.1	43	NOTE: Loss Of X-Band Signal		
19266	M1O	04-011/10:17:16.4		NOTE: Enter Planetary Atmosphere 9206		04-011/10:07:15.3
19267	M1O	04-011/10:18:26.3		NOTE: North Pole Crossing 9206		04-011/10:08:25.2
19268	M1O	04-011/10:19:10.4		NOTE: Enter Earth Occultation 9206		04-011/10:09:09.2
19269	M1O	04-011/10:19:11.8		NOTE: Apoapsis 9206 -		04-011/10:09:10.7
19270	M1O	04-011/10:26:11.1		NOTE: EXIT HGA KEEP OUT ZONE		
19271	M1O	04-011/10:34:16.4		NOTE: Exit Earth Occultation 9206		04-011/10:24:15.2
19272	M1O	04-011/10:34:16.4	43	Acquisition Of X-Band Signal		
19273	M1O	04-011/10:34:16.4	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19274	M1O	04-011/10:36:11.6		NOTE: Exit Planetary Atmosphere 9206		04-011/10:26:10.4
19275	M1O	04-011/10:38:27.1		SPAWN, Engine = 65535, Parameters = 011, 01, TRUE, 00:19:13, 254, FALSE, 32_KPS, 00:05:00, 00:00:00	uhf	04-011/10:28:26.0
19276	M1O	04-011/10:38:28.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-011/10:28:27.1
19277	M1O	04-011/10:38:30.2		CALL, Engine = , Parameters = 254	get_cmd_opt	04-011/10:28:29.1
19278	M1O	04-011/10:38:30.5		CALL, Engine = , Parameters = 011, 01, 254	bld_autosw	04-011/10:28:29.4
19279	M1O	04-011/10:38:31.6		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-011/10:28:30.5
19280	M1O	04-011/10:38:32.7		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-011/10:28:31.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_doy011_pass01_file01.dat, d:/dat/autoswitch.dat		
19281	M1O	04-011/10:38:33.7		Deletes the designated file.: d:/dat/254_doy011_pass01_file01.dat	FILE_DELETE	04-011/10:28:32.6
19282	M1O	04-011/10:38:34.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/10:28:33.7
19283	M1O	04-011/10:38:35.8		Deletes the designated file.: d:/dat/254_doy011_pass01_file02.dat	FILE_DELETE	04-011/10:28:34.7
19284	M1O	04-011/10:38:36.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/10:28:35.8
19285	M1O	04-011/10:38:37.9		Deletes the designated file.: d:/dat/254_doy011_pass01_file03.dat	FILE_DELETE	04-011/10:28:36.8
19286	M1O	04-011/10:38:39.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/10:28:37.9
19287	M1O	04-011/10:38:40.0		Deletes the designated file.: d:/dat/254_doy011_pass01_file04.dat	FILE_DELETE	04-011/10:28:38.9
19288	M1O	04-011/10:38:41.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/10:28:40.0
19289	M1O	04-011/10:38:42.1		Deletes the designated file.: d:/dat/254_doy011_pass01_file05.dat	FILE_DELETE	04-011/10:28:41.0
19290	M1O	04-011/10:38:43.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/10:28:42.1
19291	M1O	04-011/10:38:44.2		Deletes the designated file.: d:/dat/254_doy011_pass01_file06.dat	FILE_DELETE	04-011/10:28:43.1
19292	M1O	04-011/10:38:45.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/10:28:44.2
19293	M1O	04-011/10:38:46.3		Deletes the designated file.: d:/dat/254_doy011_pass01_file07.dat	FILE_DELETE	04-011/10:28:45.2
19294	M1O	04-011/10:38:47.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/10:28:46.3
19295	M1O	04-011/10:38:48.4		Deletes the designated file.: d:/dat/254_doy011_pass01_file08.dat	FILE_DELETE	04-011/10:28:47.3
19296	M1O	04-011/10:38:49.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/10:28:48.4
19297	M1O	04-011/10:38:50.5		Deletes the designated file.: d:/dat/254_doy011_pass01_file09.dat	FILE_DELETE	04-011/10:28:49.4
19298	M1O	04-011/10:38:51.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/10:28:50.5
19299	M1O	04-011/10:38:52.6		Deletes the designated file.: d:/dat/254_doy011_pass01_file10.dat	FILE_DELETE	04-011/10:28:51.5
19300	M1O	04-011/10:38:53.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/10:28:52.6
19301	M1O	04-011/10:38:54.7		Deletes the designated file.: d:/dat/254_doy011_pass01_file11.dat	FILE_DELETE	04-011/10:28:53.6
19302	M1O	04-011/10:38:55.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/10:28:54.7
19303	M1O	04-011/10:38:56.8		Deletes the designated file.: d:/dat/254_doy011_pass01_file12.dat	FILE_DELETE	04-011/10:28:55.7
19304	M1O	04-011/10:38:57.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/10:28:56.8
19305	M1O	04-011/10:38:58.9		Deletes the designated file.: d:/dat/254_doy011_pass01_file13.dat	FILE_DELETE	04-011/10:28:57.8
19306	M1O	04-011/10:39:00.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/10:28:58.9
19307	M1O	04-011/10:39:01.0		Deletes the designated file.: d:/dat/254_doy011_pass01_file14.dat	FILE_DELETE	04-011/10:28:59.9
19308	M1O	04-011/10:39:02.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/10:29:01.0
19309	M1O	04-011/10:39:03.1		Deletes the designated file.: d:/dat/254_doy011_pass01_file15.dat	FILE_DELETE	04-011/10:29:02.0
19310	M1O	04-011/10:39:04.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/10:29:03.1
19311	M1O	04-011/10:39:05.2		Deletes the designated file.: d:/dat/254_doy011_pass01_file16.dat	FILE_DELETE	04-011/10:29:04.1
19312	M1O	04-011/10:39:06.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/10:29:05.2
19313	M1O	04-011/10:39:07.3		Deletes the designated file.: d:/dat/254_doy011_pass01_file17.dat	FILE_DELETE	04-011/10:29:06.2
19314	M1O	04-011/10:39:08.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/10:29:07.3
19315	M1O	04-011/10:39:09.4		Deletes the designated file.: d:/dat/254_doy011_pass01_file18.dat	FILE_DELETE	04-011/10:29:08.3
19316	M1O	04-011/10:39:10.5		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-011/10:29:09.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_doy011_pass01_file19.dat, d:/dat/autoswitch.dat		
19317	M1O	04-011/10:39:11.5		Deletes the designated file.: d:/dat/254_doy011_pass01_file19.dat	FILE_DELETE	04-011/10:29:10.4
19318	M1O	04-011/10:39:12.5		CALL, Engine = , Parameters = 254	get_apid	04-011/10:29:11.4
19319	M1O	04-011/10:39:13.7		CALL, Engine = , Parameters = 254	get_rcv_mode	04-011/10:29:12.5
19320	M1O	04-011/10:39:13.9		CALL, Engine = , Parameters = 254	get_dl_rate	04-011/10:29:12.7
19321	M1O	04-011/10:39:15.0		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-011/10:29:13.8
19322	M1O	04-011/10:39:16.3		CALL, Engine = , Parameters = 254	get_coding	04-011/10:29:15.1
19323	M1O	04-011/10:39:16.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-011/10:29:15.3
19324	M1O	04-011/10:39:16.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19325	M1O	04-011/10:39:17.5		CALL, Engine = , Parameters = 254	get_xmt_mode	04-011/10:29:16.3
19326	M1O	04-011/10:39:17.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/10:29:16.3
19327	M1O	04-011/10:39:17.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19328	M1O	04-011/10:39:17.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-011/10:29:16.3
19329	M1O	04-011/10:39:18.7		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-011/10:29:17.5
19330	M1O	04-011/10:40:23.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-011/10:30:22.3
19331	M1O	04-011/10:40:24.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-011/10:30:23.3
19332	M1O	04-011/10:40:25.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-011/10:30:24.3
19333	M1O	04-011/10:40:26.5		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-011/10:30:25.3
19334	M1O	04-011/10:40:27.5		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-011/10:30:26.3
19335	M1O	04-011/10:40:28.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-011/10:30:27.3
19336	M1O	04-011/10:40:29.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-011/10:30:28.3
19337	M1O	04-011/10:45:19.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/10:35:18.3
19338	M1O	04-011/10:45:29.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-011/10:35:28.3
19339	M1O	04-011/10:48:26.7		NOTE: Descending Node Crossing 9207		04-011/10:38:25.5
19340	M1O	04-011/10:55:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19341	M1O	04-011/10:59:40.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-011/10:49:39.3
19342	M1O	04-011/10:59:41.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-011/10:49:40.4
19343	M1O	04-011/10:59:51.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-011/10:49:50.4
19344	M1O	04-011/10:59:52.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-011/10:49:51.4
19345	M1O	04-011/10:59:53.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-011/10:49:52.4
19346	M1O	04-011/10:59:53.6	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19347	M1O	04-011/10:59:54.6		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-011/10:49:53.4
19348	M1O	04-011/11:00:00.0	43	Range Modulation On: SUP=3.0dB		
19349	M1O	04-011/11:01:00.0	43	Begin Ranging Acquisition		
19350	M1O	04-011/11:04:53.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-011/10:54:52.0
19351	M1O	04-011/11:04:53.2	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19352	M1O	04-011/11:13:59.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-011/11:03:58.2
19353	M1O	04-011/11:14:01.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/11:04:00.3
19354	M1O	04-011/11:14:01.6	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19355	M1O	04-011/11:14:02.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-011/11:04:01.3
19356	M1O	04-011/11:15:02.5	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
19357	M1O	04-011/11:17:46.7		NOTE: South Pole Crossing 9207		04-011/11:07:45.4
19358	M1O	04-011/11:18:31.7		NOTE: Periapsis 9207 ----------		04-011/11:08:30.4
19359	M1O	04-011/11:20:01.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-011/11:10:00.3
19360	M1O	04-011/11:20:01.6	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19361	M1O	04-011/11:20:02.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-011/11:10:01.3
19362	M1O	04-011/11:34:23.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
19363	M1O	04-011/11:44:23.0	43	Range Modulation Off		
19364	M1O	04-011/11:45:49.0		NOTE: Enter Solar Eclipse 9207		04-011/11:35:47.6
19365	M1O	04-011/11:47:04.8		NOTE: Ascending Node Crossing 9207		04-011/11:37:03.4
19366	M1O	04-011/11:49:23.0	43	X-Band Transmitter Off		
19367	M1O	04-011/12:01:13.4		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-011/11:51:12.0
19368	M1O	04-011/12:01:29.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-009T11:51:12.100, 2004-011T11:51:12.100	PCKTS_RE_TX_TIME	04-011/11:51:27.8
19369	M1O	04-011/12:01:30.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-009T11:51:12.100, 2004-011T11:51:12.100	PCKTS_RE_TX_TIME	04-011/11:51:28.8
19370	M1O	04-011/12:01:31.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-009T11:51:12.100, 2004-011T11:51:12.100	PCKTS_RE_TX_TIME	04-011/11:51:29.8
19371	M1O	04-011/12:01:32.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-009T11:51:12.100, 2004-011T11:51:12.100	PCKTS_RE_TX_TIME	04-011/11:51:30.8
19372	M1O	04-011/12:01:33.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-009T11:51:12.100, 2004-011T11:51:12.100	PCKTS_RE_TX_TIME	04-011/11:51:31.8
19373	M1O	04-011/12:01:34.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-009T11:51:12.100, 2004-011T11:51:12.100	PCKTS_RE_TX_TIME	04-011/11:51:32.8
19374	M1O	04-011/12:01:34.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-011/11:51:32.8
19375	M1O	04-011/12:01:34.2	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19376	M1O	04-011/12:05:25.0		NOTE: Exit Solar Eclipse 9207		04-011/11:55:23.5
19377	M1O	04-011/12:08:35.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/11:58:33.8
19378	M1O	04-011/12:08:35.2	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19379	M1O	04-011/12:08:36.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-011/11:58:34.8
19380	M1O	04-011/12:08:52.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-011/11:58:50.8
19381	M1O	04-011/12:08:52.2	43	D/L RF Warning: SC antenna change - expect signal level variation		
19382	M1O	04-011/12:08:53.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-011/11:58:51.8
19383	M1O	04-011/12:09:25.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19384	M1O	04-011/12:09:26.4		NOTE: ENTER HGA KEEP OUT ZONE		
19385	M1O	04-011/12:09:26.4	43	NOTE: Loss Of X-Band Signal		
19386	M1O	04-011/12:15:53.6		NOTE: Enter Planetary Atmosphere 9207		04-011/12:05:52.1
19387	M1O	04-011/12:17:02.9		NOTE: North Pole Crossing 9207		04-011/12:07:01.4
19388	M1O	04-011/12:17:48.0		NOTE: Enter Earth Occultation 9207		04-011/12:07:46.5
19389	M1O	04-011/12:18:18.1		NOTE: Apoapsis 9207 -		04-011/12:08:16.6
19390	M1O	04-011/12:24:46.5		NOTE: EXIT HGA KEEP OUT ZONE		
19391	M1O	04-011/12:30:36.0	43	NOTE: Below Uplink Interlock Limit		
19392	M1O	04-011/12:32:50.4		NOTE: Exit Earth Occultation 9207		04-011/12:22:48.9
19393	M1O	04-011/12:32:50.4	43	Acquisition Of X-Band Signal		
19394	M1O	04-011/12:32:50.4	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19395	M1O	04-011/12:34:45.9		NOTE: Exit Planetary Atmosphere 9207		04-011/12:24:44.4
19396	M1O	04-011/12:40:00.0	43	End Tracking		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19397	M1O	04-011/12:41:34.5		SPAWN, Engine = 65535, Parameters = 011, 02, FALSE, 00:08:42.034, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-011/12:31:33.0
19398	M1O	04-011/12:41:35.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-011/12:31:34.1
19399	M1O	04-011/12:41:37.6		CALL, Engine = , Parameters = 254	get_cmd_opt	04-011/12:31:36.1
19400	M1O	04-011/12:42:19.8		CALL, Engine = , Parameters = 254	get_apid	04-011/12:32:18.3
19401	M1O	04-011/12:42:20.9		CALL, Engine = , Parameters = 254	get_rcv_mode	04-011/12:32:19.4
19402	M1O	04-011/12:42:21.1		CALL, Engine = , Parameters = 254	get_dl_rate	04-011/12:32:19.6
19403	M1O	04-011/12:42:22.2		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-011/12:32:20.7
19404	M1O	04-011/12:42:23.5		CALL, Engine = , Parameters = 254	get_coding	04-011/12:32:22.0
19405	M1O	04-011/12:42:24.7		CALL, Engine = , Parameters = 254	get_xmt_mode	04-011/12:32:23.2
19406	M1O	04-011/12:42:25.9		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-011/12:32:24.4
19407	M1O	04-011/12:43:30.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-011/12:33:29.2
19408	M1O	04-011/12:43:31.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-011/12:33:30.2
19409	M1O	04-011/12:43:32.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-011/12:33:31.2
19410	M1O	04-011/12:43:33.7		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-011/12:33:32.2
19411	M1O	04-011/12:43:34.7		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-011/12:33:33.2
19412	M1O	04-011/12:43:35.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-011/12:33:34.2
19413	M1O	04-011/12:43:36.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-011/12:33:35.2
19414	M1O	04-011/12:47:03.5		NOTE: Descending Node Crossing 9208		04-011/12:37:01.9
19415	M1O	04-011/12:52:14.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-011/12:42:13.2
19416	M1O	04-011/12:52:15.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-011/12:42:14.3
19417	M1O	04-011/12:52:25.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-011/12:42:24.3
19418	M1O	04-011/12:52:26.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-011/12:42:25.3
19419	M1O	04-011/12:55:00.0	43	End Post-Cal		
19420	M1O	04-011/13:16:23.6		NOTE: South Pole Crossing 9208		04-011/13:06:21.9
19421	M1O	04-011/13:17:29.6		NOTE: Periapsis 9208 ----------		04-011/13:07:27.9
19422	M1O	04-011/13:40:00.0	63	Begin Pre-Cal		
19423	M1O	04-011/13:40:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
19424	M1O	04-011/13:40:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
19425	M1O	04-011/13:40:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
19426	M1O	04-011/13:40:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
19427	M1O	04-011/13:40:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
19428	M1O	04-011/13:40:00.0	63	Config: RCV: Parms:		
19429	M1O	04-011/13:40:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
19430	M1O	04-011/13:40:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
19431	M1O	04-011/13:40:00.0	63	Config: TXL		
19432	M1O	04-011/13:40:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
19433	M1O	04-011/13:40:00.0	63	Config: CMD		
19434	M1O	04-011/13:40:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
19435	M1O	04-011/13:44:23.1		NOTE: Enter Solar Eclipse 9208		04-011/13:34:21.3
19436	M1O	04-011/13:45:41.0		NOTE: Ascending Node Crossing 9208		04-011/13:35:39.2
19437	M1O	04-011/14:04:02.1		NOTE: Exit Solar Eclipse 9208		04-011/13:54:00.3
19438	M1O	04-011/14:08:03.8		NOTE: ENTER HGA KEEP OUT ZONE		
19439	M1O	04-011/14:14:28.1		NOTE: Enter Planetary Atmosphere 9208		04-011/14:04:26.3
19440	M1O	04-011/14:15:39.1		NOTE: North Pole Crossing 9208		04-011/14:05:37.2
19441	M1O	04-011/14:16:22.4		NOTE: Enter Earth Occultation 9208		04-011/14:06:20.5
19442	M1O	04-011/14:17:10.2		NOTE: Apoapsis 9208 -		04-011/14:07:08.4
19443	M1O	04-011/14:23:03.9		NOTE: EXIT HGA KEEP OUT ZONE		
19444	M1O	04-011/14:31:26.7		NOTE: Exit Earth Occultation 9208		04-011/14:21:24.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19445	M1O	04-011/14:33:22.1		NOTE: Exit Planetary Atmosphere 9208		04-011/14:23:20.2
19446	M1O	04-011/14:39:35.4		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-011/14:29:33.5
19447	M1O	04-011/14:39:35.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/14:29:33.6
19448	M1O	04-011/14:39:36.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-011/14:29:34.6
19449	M1O	04-011/14:39:37.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-011/14:29:35.6
19450	M1O	04-011/14:39:38.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-011/14:29:36.6
19451	M1O	04-011/14:39:39.5		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-011/14:29:37.6
19452	M1O	04-011/14:39:49.5		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-011/14:29:47.6
19453	M1O	04-011/14:39:59.5		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-011/14:29:57.6
19454	M1O	04-011/14:40:00.0	63	Begin Tracking		
19455	M1O	04-011/14:40:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19456	M1O	04-011/14:41:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19457	M1O	04-011/14:44:59.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-011/14:34:57.6
19458	M1O	04-011/14:45:00.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-011/14:34:58.6
19459	M1O	04-011/14:45:00.5	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19460	M1O	04-011/14:45:01.5		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-011/14:34:59.6
19461	M1O	04-011/14:45:39.8		NOTE: Descending Node Crossing 9209		04-011/14:35:37.9
19462	M1O	04-011/14:46:00.0	63	Range Modulation On: SUP=3.0dB		
19463	M1O	04-011/14:47:00.0	63	Begin Ranging Acquisition		
19464	M1O	04-011/15:00:01.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-011/14:49:59.3
19465	M1O	04-011/15:00:03.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/14:50:01.4
19466	M1O	04-011/15:00:03.4	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19467	M1O	04-011/15:00:04.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-011/14:50:02.4
19468	M1O	04-011/15:01:03.9	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19469	M1O	04-011/15:06:03.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-011/14:56:01.4
19470	M1O	04-011/15:06:03.4	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19471	M1O	04-011/15:06:04.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-011/14:56:02.4
19472	M1O	04-011/15:14:58.9		NOTE: South Pole Crossing 9209		04-011/15:04:56.8
19473	M1O	04-011/15:16:07.3		NOTE: Periapsis 9209 ----------		04-011/15:06:05.3
19474	M1O	04-011/15:31:35.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
19475	M1O	04-011/15:41:35.0	63	Range Modulation Off		
19476	M1O	04-011/15:42:54.9		NOTE: Enter Solar Eclipse 9209		04-011/15:32:52.7
19477	M1O	04-011/15:44:15.0		NOTE: Ascending Node Crossing 9209		04-011/15:34:12.8
19478	M1O	04-011/15:46:35.0	63	X-Band Transmitter Off		
19479	M1O	04-011/16:02:38.1		NOTE: Exit Solar Eclipse 9209		04-011/15:52:35.9
19480	M1O	04-011/16:05:36.5		SPAWN, Engine = 65535, Parameters = 3, 00:29:57, 1	dpt	04-011/15:55:34.3
19481	M1O	04-011/16:05:38.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/15:55:36.4
19482	M1O	04-011/16:05:38.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19483	M1O	04-011/16:05:39.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-011/15:55:37.4
19484	M1O	04-011/16:06:39.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19485	M1O	04-011/16:06:40.2		NOTE: ENTER HGA KEEP OUT ZONE		
19486	M1O	04-011/16:06:40.2	63	NOTE: Loss Of X-Band Signal		
19487	M1O	04-011/16:10:32.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19488	M1O	04-011/16:12:58.2		NOTE: Enter Planetary Atmosphere 9209		04-011/16:02:56.0
19489	M1O	04-011/16:14:12.9		NOTE: North Pole Crossing 9209		04-011/16:04:10.7
19490	M1O	04-011/16:14:51.7		NOTE: Enter Earth Occultation 9209		04-011/16:04:49.5
19491	M1O	04-011/16:15:32.0	63	Range Modulation On: SUP=3.0dB		
19492	M1O	04-011/16:15:33.6		NOTE: Apoapsis 9209 -		04-011/16:05:31.3
19493	M1O	04-011/16:16:32.0	63	Begin Ranging Acquisition		
19494	M1O	04-011/16:22:00.2		NOTE: EXIT HGA KEEP OUT ZONE		
19495	M1O	04-011/16:22:29.2		SPAWN, Engine = 65535, Parameters = 011, 03, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-011/16:12:27.0
19496	M1O	04-011/16:22:30.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-011/16:12:28.1
19497	M1O	04-011/16:22:32.3		CALL, Engine = , Parameters = 56	get_cmd_opt	04-011/16:12:30.1
19498	M1O	04-011/16:22:32.6		CALL, Engine = , Parameters = 011, 03, 056	bld_autosw	04-011/16:12:30.4
19499	M1O	04-011/16:22:33.7		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-011/16:12:31.5
19500	M1O	04-011/16:22:34.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/16:12:32.6
19501	M1O	04-011/16:22:35.8		Deletes the designated file.: d:/dat/056_doy011_pass03_file01.dat	FILE_DELETE	04-011/16:12:33.6
19502	M1O	04-011/16:22:36.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/16:12:34.7
19503	M1O	04-011/16:22:37.9		Deletes the designated file.: d:/dat/056_doy011_pass03_file02.dat	FILE_DELETE	04-011/16:12:35.7
19504	M1O	04-011/16:22:39.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/16:12:36.8
19505	M1O	04-011/16:22:40.0		Deletes the designated file.: d:/dat/056_doy011_pass03_file03.dat	FILE_DELETE	04-011/16:12:37.8
19506	M1O	04-011/16:22:41.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/16:12:38.9
19507	M1O	04-011/16:22:42.1		Deletes the designated file.: d:/dat/056_doy011_pass03_file04.dat	FILE_DELETE	04-011/16:12:39.9
19508	M1O	04-011/16:22:43.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/16:12:41.0
19509	M1O	04-011/16:22:44.2		Deletes the designated file.: d:/dat/056_doy011_pass03_file05.dat	FILE_DELETE	04-011/16:12:42.0
19510	M1O	04-011/16:22:45.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/16:12:43.1
19511	M1O	04-011/16:22:46.3		Deletes the designated file.: d:/dat/056_doy011_pass03_file06.dat	FILE_DELETE	04-011/16:12:44.1
19512	M1O	04-011/16:22:47.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/16:12:45.2
19513	M1O	04-011/16:22:48.4		Deletes the designated file.: d:/dat/056_doy011_pass03_file07.dat	FILE_DELETE	04-011/16:12:46.2
19514	M1O	04-011/16:22:49.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/16:12:47.3
19515	M1O	04-011/16:22:50.5		Deletes the designated file.: d:/dat/056_doy011_pass03_file08.dat	FILE_DELETE	04-011/16:12:48.3
19516	M1O	04-011/16:22:51.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/16:12:49.4
19517	M1O	04-011/16:22:52.6		Deletes the designated file.: d:/dat/056_doy011_pass03_file09.dat	FILE_DELETE	04-011/16:12:50.4
19518	M1O	04-011/16:22:53.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/16:12:51.5
19519	M1O	04-011/16:22:54.7		Deletes the designated file.: d:/dat/056_doy011_pass03_file10.dat	FILE_DELETE	04-011/16:12:52.5
19520	M1O	04-011/16:22:55.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/16:12:53.6
19521	M1O	04-011/16:22:56.8		Deletes the designated file.: d:/dat/056_doy011_pass03_file11.dat	FILE_DELETE	04-011/16:12:54.6
19522	M1O	04-011/16:22:57.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/16:12:55.7
19523	M1O	04-011/16:22:58.9		Deletes the designated file.: d:/dat/056_doy011_pass03_file12.dat	FILE_DELETE	04-011/16:12:56.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19524	M1O	04-011/16:23:00.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/16:12:57.8
19525	M1O	04-011/16:23:01.0		Deletes the designated file.: d:/dat/056_doy011_pass03_file13.dat	FILE_DELETE	04-011/16:12:58.8
19526	M1O	04-011/16:23:02.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/16:12:59.9
19527	M1O	04-011/16:23:03.1		Deletes the designated file.: d:/dat/056_doy011_pass03_file14.dat	FILE_DELETE	04-011/16:13:00.9
19528	M1O	04-011/16:23:04.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/16:13:02.0
19529	M1O	04-011/16:23:05.2		Deletes the designated file.: d:/dat/056_doy011_pass03_file15.dat	FILE_DELETE	04-011/16:13:03.0
19530	M1O	04-011/16:23:06.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/16:13:04.1
19531	M1O	04-011/16:23:07.3		Deletes the designated file.: d:/dat/056_doy011_pass03_file16.dat	FILE_DELETE	04-011/16:13:05.1
19532	M1O	04-011/16:23:08.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/16:13:06.2
19533	M1O	04-011/16:23:09.4		Deletes the designated file.: d:/dat/056_doy011_pass03_file17.dat	FILE_DELETE	04-011/16:13:07.2
19534	M1O	04-011/16:23:10.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/16:13:08.3
19535	M1O	04-011/16:23:11.5		Deletes the designated file.: d:/dat/056_doy011_pass03_file18.dat	FILE_DELETE	04-011/16:13:09.3
19536	M1O	04-011/16:23:12.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy011_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/16:13:10.4
19537	M1O	04-011/16:23:13.6		Deletes the designated file.: d:/dat/056_doy011_pass03_file19.dat	FILE_DELETE	04-011/16:13:11.4
19538	M1O	04-011/16:23:14.6		CALL, Engine = , Parameters = 56	get_apid	04-011/16:13:12.4
19539	M1O	04-011/16:23:15.7		CALL, Engine = , Parameters = 56	get_rcv_mode	04-011/16:13:13.5
19540	M1O	04-011/16:23:15.9		CALL, Engine = , Parameters = 56	get_dl_rate	04-011/16:13:13.7
19541	M1O	04-011/16:23:17.0		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-011/16:13:14.8
19542	M1O	04-011/16:23:18.2		CALL, Engine = , Parameters = 56	get_coding	04-011/16:13:16.0
19543	M1O	04-011/16:23:19.4		CALL, Engine = , Parameters = 56	get_xmt_mode	04-011/16:13:17.2
19544	M1O	04-011/16:23:20.6		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-011/16:13:18.4
19545	M1O	04-011/16:24:25.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-011/16:14:23.2
19546	M1O	04-011/16:24:26.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-011/16:14:24.2
19547	M1O	04-011/16:24:27.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-011/16:14:25.2
19548	M1O	04-011/16:24:28.4		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-011/16:14:26.2
19549	M1O	04-011/16:24:29.4		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-011/16:14:27.2
19550	M1O	04-011/16:24:30.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-011/16:14:28.2
19551	M1O	04-011/16:24:31.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-011/16:14:29.2
19552	M1O	04-011/16:26:21.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/16:16:19.2
19553	M1O	04-011/16:26:31.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-011/16:16:29.2
19554	M1O	04-011/16:30:03.6		NOTE: Exit Earth Occultation 9209		04-011/16:20:01.3
19555	M1O	04-011/16:30:03.6	63	Acquisition Of X-Band Signal		
19556	M1O	04-011/16:30:03.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19557	M1O	04-011/16:30:36.4	63	Acquire D/L: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19558	M1O	04-011/16:31:58.4		NOTE: Exit Planetary Atmosphere 9209		04-011/16:21:56.1
19559	M1O	04-011/16:35:35.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-011/16:25:33.4
19560	M1O	04-011/16:35:35.7	63	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19561	M1O	04-011/16:35:36.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/16:25:34.4
19562	M1O	04-011/16:35:36.7	63	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19563	M1O	04-011/16:35:36.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-011/16:25:34.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19564	M1O	04-011/16:44:13.3		NOTE: Descending Node Crossing 9210		04-011/16:34:11.0
19565	M1O	04-011/16:56:29.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-011/16:46:27.2
19566	M1O	04-011/16:56:30.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-011/16:46:28.3
19567	M1O	04-011/16:56:40.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-011/16:46:38.3
19568	M1O	04-011/16:56:41.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-011/16:46:39.3
19569	M1O	04-011/16:56:42.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-011/16:46:40.3
19570	M1O	04-011/16:56:42.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19571	M1O	04-011/16:56:43.6		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-011/16:46:41.3
19572	M1O	04-011/17:01:42.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-011/16:51:40.0
19573	M1O	04-011/17:01:42.3	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19574	M1O	04-011/17:13:31.2		NOTE: South Pole Crossing 9210		04-011/17:03:28.8
19575	M1O	04-011/17:14:21.1		NOTE: Periapsis 9210 ----------		04-011/17:04:18.6
19576	M1O	04-011/17:30:08.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
19577	M1O	04-011/17:40:08.0	63	Range Modulation Off		
19578	M1O	04-011/17:41:26.7		NOTE: Enter Solar Eclipse 9210		04-011/17:31:24.1
19579	M1O	04-011/17:42:46.8		NOTE: Ascending Node Crossing 9210		04-011/17:32:44.3
19580	M1O	04-011/17:45:08.0	63	X-Band Transmitter Off		
19581	M1O	04-011/18:01:11.5		NOTE: Exit Solar Eclipse 9210		04-011/17:51:08.9
19582	M1O	04-011/18:04:08.8		SPAWN, Engine = 65535, Parameters = 3, 00:29:57.256, 1	dpt	04-011/17:54:06.2
19583	M1O	04-011/18:04:10.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/17:54:08.3
19584	M1O	04-011/18:04:10.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19585	M1O	04-011/18:04:11.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-011/17:54:09.3
19586	M1O	04-011/18:05:13.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19587	M1O	04-011/18:05:13.5		NOTE: ENTER HGA KEEP OUT ZONE		
19588	M1O	04-011/18:05:13.5	63	NOTE: Loss Of X-Band Signal		
19589	M1O	04-011/18:09:03.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19590	M1O	04-011/18:11:25.8		NOTE: Enter Planetary Atmosphere 9210		04-011/18:01:23.2
19591	M1O	04-011/18:12:44.2		NOTE: North Pole Crossing 9210		04-011/18:02:41.6
19592	M1O	04-011/18:13:18.7		NOTE: Enter Earth Occultation 9210		04-011/18:03:16.0
19593	M1O	04-011/18:13:47.4		NOTE: Apoapsis 9210 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19607	M1O	04-011/18:30:48.2		CALL, Engine = , Parameters = 56	get_dl_rate	04-011/18:20:45.6
19608	M1O	04-011/18:30:49.3		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-011/18:20:46.7
19609	M1O	04-011/18:30:50.5		CALL, Engine = , Parameters = 56	get_coding	04-011/18:20:47.9
19610	M1O	04-011/18:30:51.7		CALL, Engine = , Parameters = 56	get_xmt_mode	04-011/18:20:49.1
19611	M1O	04-011/18:30:52.9		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-011/18:20:50.3
19612	M1O	04-011/18:31:57.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-011/18:21:55.1
19613	M1O	04-011/18:31:58.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-011/18:21:56.1
19614	M1O	04-011/18:31:59.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-011/18:21:57.1
19615	M1O	04-011/18:32:00.7		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-011/18:21:58.1
19616	M1O	04-011/18:32:01.7		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-011/18:21:59.1
19617	M1O	04-011/18:32:02.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-011/18:22:00.1
19618	M1O	04-011/18:32:03.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-011/18:22:01.1
19619	M1O	04-011/18:34:08.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-011/18:24:05.5
19620	M1O	04-011/18:34:08.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19621	M1O	04-011/18:34:09.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-011/18:24:06.5
19622	M1O	04-011/18:42:18.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-011/18:32:15.4
19623	M1O	04-011/18:42:19.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-011/18:32:16.5
19624	M1O	04-011/18:42:29.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-011/18:32:26.5
19625	M1O	04-011/18:42:30.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-011/18:32:27.5
19626	M1O	04-011/18:42:43.5		NOTE: Descending Node Crossing 9211		04-011/18:32:40.8
19627	M1O	04-011/18:45:00.0	14	Begin Pre-Cal		
19628	M1O	04-011/18:45:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
19629	M1O	04-011/18:45:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
19630	M1O	04-011/18:45:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
19631	M1O	04-011/18:45:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
19632	M1O	04-011/18:45:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
19633	M1O	04-011/18:45:00.0	14	Config: RCV: Parms:		
19634	M1O	04-011/18:45:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
19635	M1O	04-011/18:45:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
19636	M1O	04-011/18:45:00.0	14	Config: TXL		
19637	M1O	04-011/18:45:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
19638	M1O	04-011/18:45:00.0	14	Config: CMD		
19639	M1O	04-011/18:45:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
19640	M1O	04-011/19:12:01.8		NOTE: South Pole Crossing 9211		04-011/19:01:59.0
19641	M1O	04-011/19:12:37.8		NOTE: Periapsis 9211 ----------		04-011/19:02:35.0
19642	M1O	04-011/19:28:17.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
19643	M1O	04-011/19:38:17.0	63	Range Modulation Off		
19644	M1O	04-011/19:39:59.7		NOTE: Enter Solar Eclipse 9211		04-011/19:29:56.8
19645	M1O	04-011/19:41:18.4		NOTE: Ascending Node Crossing 9211		04-011/19:31:15.5
19646	M1O	04-011/19:43:17.0	63	X-Band Transmitter Off		
19647	M1O	04-011/19:45:00.0	14	Begin Tracking		
19648	M1O	04-011/19:45:00.0	14	Acquire D/L: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19649	M1O	04-011/19:54:00.0	14	NOTE: Above Uplink Interlock Limit		
19650	M1O	04-011/19:59:39.9		NOTE: Exit Solar Eclipse 9211		04-011/19:49:37.0
19651	M1O	04-011/20:02:20.4		SPAWN, Engine = 65535, Parameters = 3, 00:30:13, 1	dpt	04-011/19:52:17.4
19652	M1O	04-011/20:02:22.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/19:52:19.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19653	M1O	04-011/20:02:22.5	14	D/L Change: X/08, 3-Way/63, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19654	M1O	04-011/20:02:22.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19655	M1O	04-011/20:02:23.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-011/19:52:20.5
19656	M1O	04-011/20:03:22.8	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19657	M1O	04-011/20:03:22.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19658	M1O	04-011/20:03:23.9		NOTE: ENTER HGA KEEP OUT ZONE		
19659	M1O	04-011/20:03:23.9	14	NOTE: Loss Of X-Band Signal		
19660	M1O	04-011/20:03:23.9	63	NOTE: Loss Of X-Band Signal		
19661	M1O	04-011/20:07:30.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19662	M1O	04-011/20:10:01.6		NOTE: Enter Planetary Atmosphere 9211		04-011/19:59:58.6
19663	M1O	04-011/20:11:16.0		NOTE: North Pole Crossing 9211		04-011/20:01:13.0
19664	M1O	04-011/20:11:55.5		NOTE: Enter Earth Occultation 9211		04-011/20:01:52.5
19665	M1O	04-011/20:12:21.5		NOTE: Apoapsis 9211 -		04-011/20:02:18.5
19666	M1O	04-011/20:12:30.0	14	Range Modulation On: SUP=3.0dB		
19667	M1O	04-011/20:13:30.0	14	Begin Ranging Acquisition		
19668	M1O	04-011/20:19:04.0		NOTE: EXIT HGA KEEP OUT ZONE		
19669	M1O	04-011/20:27:04.0		NOTE: Exit Earth Occultation 9211		04-011/20:17:01.0
19670	M1O	04-011/20:27:04.0	14	Acquisition Of X-Band Signal		
19671	M1O	04-011/20:27:04.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19672	M1O	04-011/20:27:04.0	63	Acquisition Of X-Band Signal		
19673	M1O	04-011/20:27:04.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19674	M1O	04-011/20:27:35.9	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19675	M1O	04-011/20:27:35.9	63	Acquire D/L: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19676	M1O	04-011/20:28:59.1		NOTE: Exit Planetary Atmosphere 9211		04-011/20:18:56.1
19677	M1O	04-011/20:32:35.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-011/20:22:32.5
19678	M1O	04-011/20:32:35.6	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19679	M1O	04-011/20:32:35.6	63	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19680	M1O	04-011/20:32:36.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-011/20:22:33.5
19681	M1O	04-011/20:41:15.4		NOTE: Descending Node Crossing 9212		04-011/20:31:12.3
19682	M1O	04-011/21:10:34.4		NOTE: South Pole Crossing 9212		04-011/21:00:31.2
19683	M1O	04-011/21:11:10.9		NOTE: Periapsis 9212 ----------		04-011/21:01:07.7
19684	M1O	04-011/21:27:08.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
19685	M1O	04-011/21:37:08.0	14	Range Modulation Off		
19686	M1O	04-011/21:38:34.0		NOTE: Enter Solar Eclipse 9212		04-011/21:28:30.8
19687	M1O	04-011/21:39:52.0		NOTE: Ascending Node Crossing 9212		04-011/21:29:48.7
19688	M1O	04-011/21:42:08.0	14	X-Band Transmitter Off		
19689	M1O	04-011/21:58:08.1		NOTE: Exit Solar Eclipse 9212		04-011/21:48:04.8
19690	M1O	04-011/22:01:11.8		SPAWN, Engine = 65535, Parameters = 3, 00:29:49, 1	dpt	04-011/21:51:08.4
19691	M1O	04-011/22:01:13.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/21:51:10.5
19692	M1O	04-011/22:01:13.9	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19693	M1O	04-011/22:01:13.9	63	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19694	M1O	04-011/22:01:14.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-011/21:51:11.5
19695	M1O	04-011/22:02:14.5	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19696	M1O	04-011/22:02:14.5	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19697	M1O	04-011/22:02:15.3		NOTE: ENTER HGA KEEP OUT ZONE		
19698	M1O	04-011/22:02:15.3	14	NOTE: Loss Of X-Band Signal		
19699	M1O	04-011/22:02:15.3	63	NOTE: Loss Of X-Band Signal		
19700	M1O	04-011/22:05:57.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19701	M1O	04-011/22:08:44.5		NOTE: Enter Planetary Atmosphere 9212		04-011/21:58:41.1
19702	M1O	04-011/22:09:50.9		NOTE: North Pole Crossing 9212		04-011/21:59:47.5
19703	M1O	04-011/22:10:40.2		NOTE: Enter Earth Occultation 9212		04-011/22:00:36.8
19704	M1O	04-011/22:10:57.0	14	Range Modulation On: SUP=3.0dB		
19705	M1O	04-011/22:10:58.0		NOTE: Apoapsis 9212 -		04-011/22:00:54.6
19706	M1O	04-011/22:11:57.0	14	Begin Ranging Acquisition		
19707	M1O	04-011/22:17:15.3		NOTE: EXIT HGA KEEP OUT ZONE		
19708	M1O	04-011/22:25:31.8		NOTE: Exit Earth Occultation 9212		04-011/22:15:28.4
19709	M1O	04-011/22:25:31.8	14	Acquisition Of X-Band Signal		
19710	M1O	04-011/22:25:31.8	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19711	M1O	04-011/22:25:31.8	63	Acquisition Of X-Band Signal		
19712	M1O	04-011/22:25:31.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19713	M1O	04-011/22:26:03.7	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19714	M1O	04-011/22:26:03.7	63	Acquire D/L: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19715	M1O	04-011/22:27:28.7		NOTE: Exit Planetary Atmosphere 9212		04-011/22:17:25.3
19716	M1O	04-011/22:28:58.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
19717	M1O	04-011/22:31:03.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-011/22:20:59.5
19718	M1O	04-011/22:31:03.0	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19719	M1O	04-011/22:31:03.0	63	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19720	M1O	04-011/22:31:04.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-011/22:21:00.5
19721	M1O	04-011/22:38:58.0	14	Range Modulation Off		
19722	M1O	04-011/22:39:51.7		NOTE: Descending Node Crossing 9213		04-011/22:29:48.3
19723	M1O	04-011/22:43:58.0	14	X-Band Transmitter Off		
19724	M1O	04-011/22:52:52.4		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-011/22:42:49.0
19725	M1O	04-011/22:52:52.5		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-011/22:42:49.1
19726	M1O	04-011/22:52:53.5		Forces a desaturation of the reaction wheels.	RW_DESAT	04-011/22:42:50.1
19727	M1O	04-011/22:55:53.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-011/22:45:50.0
19728	M1O	04-011/22:56:09.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-009T22:45:50.100, 2004-011T22:45:50.100	PCKTS_RE_TX_TIME	04-011/22:46:05.8
19729	M1O	04-011/22:56:10.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-009T22:45:50.100, 2004-011T22:45:50.100	PCKTS_RE_TX_TIME	04-011/22:46:06.8
19730	M1O	04-011/22:56:11.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-009T22:45:50.100, 2004-011T22:45:50.100	PCKTS_RE_TX_TIME	04-011/22:46:07.8
19731	M1O	04-011/22:56:12.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-009T22:45:50.100, 2004-011T22:45:50.100	PCKTS_RE_TX_TIME	04-011/22:46:08.8
19732	M1O	04-011/22:56:13.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-009T22:45:50.100, 2004-011T22:45:50.100	PCKTS_RE_TX_TIME	04-011/22:46:09.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19733	M1O	04-011/22:56:14.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-009T22:45:50.100, 2004-011T22:45:50.100	PCKTS_RE_TX_TIME	04-011/22:46:10.8
19734	M1O	04-011/22:56:14.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-011/22:46:10.8
19735	M1O	04-011/22:56:14.3	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19736	M1O	04-011/22:56:14.3	63	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19737	M1O	04-011/23:03:15.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/22:53:11.8
19738	M1O	04-011/23:03:15.3	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19739	M1O	04-011/23:03:15.3	63	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19740	M1O	04-011/23:03:16.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-011/22:53:12.8
19741	M1O	04-011/23:03:32.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-011/22:53:28.8
19742	M1O	04-011/23:03:32.3	14	D/L RF Warning: SC antenna change - expect signal level variation		
19743	M1O	04-011/23:03:32.3	63	D/L RF Warning: SC antenna change - expect signal level variation		
19744	M1O	04-011/23:03:33.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-011/22:53:29.8
19745	M1O	04-011/23:04:04.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19746	M1O	04-011/23:04:04.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19747	M1O	04-011/23:04:23.6		CALL, Engine = , Parameters = FALSE	park_hga	04-011/22:54:20.1
19748	M1O	04-011/23:04:23.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/22:54:20.1
19749	M1O	04-011/23:04:24.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-011/22:54:21.1
19750	M1O	04-011/23:04:25.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-011/22:54:22.1
19751	M1O	04-011/23:04:25.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-011/22:54:22.1
19752	M1O	04-011/23:04:25.6		NOTE: START HGA PARK		
19753	M1O	04-011/23:04:25.6	14	NOTE: Loss Of X-Band Signal		
19754	M1O	04-011/23:04:25.6	63	NOTE: Loss Of X-Band Signal		
19755	M1O	04-011/23:04:26.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-011/22:54:23.1
19756	M1O	04-011/23:04:27.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-011/22:54:24.1
19757	M1O	04-011/23:08:57.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-011/22:58:54.1
19758	M1O	04-011/23:09:10.7		NOTE: South Pole Crossing 9213		04-011/22:59:07.1
19759	M1O	04-011/23:09:51.9		NOTE: Periapsis 9213 ----------		04-011/22:59:48.4
19760	M1O	04-011/23:12:27.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-011/23:02:24.1
19761	M1O	04-011/23:12:27.6		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-011/23:02:24.1
19762	M1O	04-011/23:18:58.5		SPAWN, Engine = 65535, Parameters = 011, 03, TRUE, 00:19:14, 254, FALSE, 32_KPS, 00:05:00, 00:00:00	uhf	04-011/23:08:55.0
19763	M1O	04-011/23:18:59.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-011/23:08:56.1
19764	M1O	04-011/23:19:01.6		CALL, Engine = , Parameters = 254	get_cmd_opt	04-011/23:08:58.1
19765	M1O	04-011/23:19:01.9		CALL, Engine = , Parameters = 011, 03, 254	bld_autosw	04-011/23:08:58.4
19766	M1O	04-011/23:19:03.0		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-011/23:08:59.5
19767	M1O	04-011/23:19:04.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/23:09:00.6
19768	M1O	04-011/23:19:05.1		Deletes the designated file.: d:/dat/254_doy011_pass03_file01.dat	FILE_DELETE	04-011/23:09:01.6
19769	M1O	04-011/23:19:06.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/23:09:02.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19770	M1O	04-011/23:19:07.2		Deletes the designated file.: d:/dat/254_doy011_pass03_file02.dat	FILE_DELETE	04-011/23:09:03.7
19771	M1O	04-011/23:19:08.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/23:09:04.8
19772	M1O	04-011/23:19:09.3		Deletes the designated file.: d:/dat/254_doy011_pass03_file03.dat	FILE_DELETE	04-011/23:09:05.8
19773	M1O	04-011/23:19:10.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/23:09:06.9
19774	M1O	04-011/23:19:11.4		Deletes the designated file.: d:/dat/254_doy011_pass03_file04.dat	FILE_DELETE	04-011/23:09:07.9
19775	M1O	04-011/23:19:12.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/23:09:09.0
19776	M1O	04-011/23:19:13.5		Deletes the designated file.: d:/dat/254_doy011_pass03_file05.dat	FILE_DELETE	04-011/23:09:10.0
19777	M1O	04-011/23:19:14.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/23:09:11.1
19778	M1O	04-011/23:19:15.6		Deletes the designated file.: d:/dat/254_doy011_pass03_file06.dat	FILE_DELETE	04-011/23:09:12.1
19779	M1O	04-011/23:19:16.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/23:09:13.2
19780	M1O	04-011/23:19:17.7		Deletes the designated file.: d:/dat/254_doy011_pass03_file07.dat	FILE_DELETE	04-011/23:09:14.2
19781	M1O	04-011/23:19:18.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/23:09:15.3
19782	M1O	04-011/23:19:19.8		Deletes the designated file.: d:/dat/254_doy011_pass03_file08.dat	FILE_DELETE	04-011/23:09:16.3
19783	M1O	04-011/23:19:20.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/23:09:17.4
19784	M1O	04-011/23:19:21.9		Deletes the designated file.: d:/dat/254_doy011_pass03_file09.dat	FILE_DELETE	04-011/23:09:18.4
19785	M1O	04-011/23:19:23.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/23:09:19.5
19786	M1O	04-011/23:19:24.0		Deletes the designated file.: d:/dat/254_doy011_pass03_file10.dat	FILE_DELETE	04-011/23:09:20.5
19787	M1O	04-011/23:19:25.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/23:09:21.6
19788	M1O	04-011/23:19:26.1		Deletes the designated file.: d:/dat/254_doy011_pass03_file11.dat	FILE_DELETE	04-011/23:09:22.6
19789	M1O	04-011/23:19:27.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/23:09:23.7
19790	M1O	04-011/23:19:28.2		Deletes the designated file.: d:/dat/254_doy011_pass03_file12.dat	FILE_DELETE	04-011/23:09:24.7
19791	M1O	04-011/23:19:29.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/23:09:25.8
19792	M1O	04-011/23:19:30.3		Deletes the designated file.: d:/dat/254_doy011_pass03_file13.dat	FILE_DELETE	04-011/23:09:26.8
19793	M1O	04-011/23:19:31.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/23:09:27.9
19794	M1O	04-011/23:19:32.4		Deletes the designated file.: d:/dat/254_doy011_pass03_file14.dat	FILE_DELETE	04-011/23:09:28.9
19795	M1O	04-011/23:19:33.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/23:09:30.0
19796	M1O	04-011/23:19:34.5		Deletes the designated file.: d:/dat/254_doy011_pass03_file15.dat	FILE_DELETE	04-011/23:09:31.0
19797	M1O	04-011/23:19:35.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/23:09:32.1
19798	M1O	04-011/23:19:36.6		Deletes the designated file.: d:/dat/254_doy011_pass03_file16.dat	FILE_DELETE	04-011/23:09:33.1
19799	M1O	04-011/23:19:37.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/23:09:34.2
19800	M1O	04-011/23:19:38.7		Deletes the designated file.: d:/dat/254_doy011_pass03_file17.dat	FILE_DELETE	04-011/23:09:35.2
19801	M1O	04-011/23:19:39.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/23:09:36.3
19802	M1O	04-011/23:19:40.8		Deletes the designated file.: d:/dat/254_doy011_pass03_file18.dat	FILE_DELETE	04-011/23:09:37.3
19803	M1O	04-011/23:19:41.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy011_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-011/23:09:38.4
19804	M1O	04-011/23:19:42.9		Deletes the designated file.: d:/dat/254_doy011_pass03_file19.dat	FILE_DELETE	04-011/23:09:39.4
19805	M1O	04-011/23:19:43.9		CALL, Engine = , Parameters = 254	get_apid	04-011/23:09:40.4
19806	M1O	04-011/23:19:45.0		CALL, Engine = , Parameters = 254	get_rcv_mode	04-011/23:09:41.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19807	M1O	04-011/23:19:45.2		CALL, Engine = , Parameters = 254	get_dl_rate	04-011/23:09:41.7
19808	M1O	04-011/23:19:46.3		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-011/23:09:42.8
19809	M1O	04-011/23:19:47.6		CALL, Engine = , Parameters = 254	get_coding	04-011/23:09:44.1
19810	M1O	04-011/23:19:48.8		CALL, Engine = , Parameters = 254	get_xmt_mode	04-011/23:09:45.3
19811	M1O	04-011/23:19:50.0		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-011/23:09:46.5
19812	M1O	04-011/23:20:50.0	63	NOTE: Below Uplink Interlock Limit		
19813	M1O	04-011/23:20:54.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-011/23:10:51.3
19814	M1O	04-011/23:20:55.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-011/23:10:52.3
19815	M1O	04-011/23:20:56.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-011/23:10:53.3
19816	M1O	04-011/23:20:57.8		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-011/23:10:54.3
19817	M1O	04-011/23:20:58.8		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-011/23:10:55.3
19818	M1O	04-011/23:20:59.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-011/23:10:56.3
19819	M1O	04-011/23:21:00.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-011/23:10:57.3
19820	M1O	04-011/23:25:50.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/23:15:47.3
19821	M1O	04-011/23:26:00.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-011/23:15:57.3
19822	M1O	04-011/23:30:00.0	63	End Tracking		
19823	M1O	04-011/23:37:09.3		NOTE: Enter Solar Eclipse 9213		04-011/23:27:05.6
19824	M1O	04-011/23:38:27.9		NOTE: Ascending Node Crossing 9213		04-011/23:28:24.2
19825	M1O	04-011/23:40:12.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-011/23:30:09.3
19826	M1O	04-011/23:40:14.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-011/23:30:10.4
19827	M1O	04-011/23:40:24.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-011/23:30:20.4
19828	M1O	04-011/23:40:25.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-011/23:30:21.4
19829	M1O	04-011/23:40:26.0		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-011/23:30:22.4
19830	M1O	04-011/23:40:27.0		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-011/23:30:23.4
19831	M1O	04-011/23:42:27.6		GV: GV_DESAT_ACTIVE = 1		04-011/23:32:24.0
19832	M1O	04-011/23:42:28.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-011/23:32:25.0
19833	M1O	04-011/23:42:28.6		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-011/23:32:25.0
19834	M1O	04-011/23:45:00.0	63	End Post-Cal		
19835	M1O	04-011/23:52:27.6		GV: GV_DESAT_ACTIVE = 0		04-011/23:42:24.0
19836	M1O	04-011/23:52:28.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-011/23:42:25.0
19837	M1O	04-011/23:52:29.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-011/23:42:26.0
19838	M1O	04-011/23:52:30.6		CALL, Engine = , Parameters =	unpark_hga	04-011/23:42:27.0
19839	M1O	04-011/23:52:30.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-011/23:42:27.0
19840	M1O	04-011/23:52:31.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-011/23:42:28.0
19841	M1O	04-011/23:56:41.1		NOTE: Exit Solar Eclipse 9213		04-011/23:46:37.4
19842	M1O	04-011/23:57:01.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-011/23:46:58.0
19843	M1O	04-011/23:57:02.7		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-011/23:46:59.0
19844	M1O	04-012/00:00:00.0		Light Time: OWLT = 10:03, RTLT = 20:07		
19845	M1O	04-012/00:00:51.7		NOTE: ENTER HGA KEEP OUT ZONE		
19846	M1O	04-012/00:01:02.7		NOTE: EXIT HGA PARK		
19847	M1O	04-012/00:04:31.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19848	M1O	04-012/00:07:24.3		NOTE: Enter Planetary Atmosphere 9213		04-011/23:57:20.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19849	M1O	04-012/00:08:27.3		NOTE: North Pole Crossing 9213		04-011/23:58:23.6
19850	M1O	04-012/00:09:20.7		NOTE: Enter Earth Occultation 9213		04-011/23:59:17.0
19851	M1O	04-012/00:09:27.2		NOTE: Apoapsis 9213 -		04-011/23:59:23.5
19852	M1O	04-012/00:09:31.0	14	Range Modulation On: SUP=3.0dB		
19853	M1O	04-012/00:10:31.0	14	Begin Ranging Acquisition		
19854	M1O	04-012/00:15:51.7		NOTE: EXIT HGA KEEP OUT ZONE		
19855	M1O	04-012/00:23:40.7		SPAWN, Engine = 65535, Parameters = 00:05:32.686	cstr	04-012/00:13:36.9
19856	M1O	04-012/00:23:40.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/00:13:37.0
19857	M1O	04-012/00:23:41.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-012/00:13:38.0
19858	M1O	04-012/00:23:42.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-012/00:13:39.0
19859	M1O	04-012/00:23:43.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-012/00:13:40.0
19860	M1O	04-012/00:23:44.8		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-012/00:13:41.0
19861	M1O	04-012/00:23:54.8		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-012/00:13:51.0
19862	M1O	04-012/00:24:04.8		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-012/00:14:01.0
19863	M1O	04-012/00:24:05.7		NOTE: Exit Earth Occultation 9213		04-012/00:14:01.9
19864	M1O	04-012/00:24:05.7	14	Acquisition Of X-Band Signal		
19865	M1O	04-012/00:24:05.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19866	M1O	04-012/00:24:38.4	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19867	M1O	04-012/00:26:03.3		NOTE: Exit Planetary Atmosphere 9213		04-012/00:15:59.5
19868	M1O	04-012/00:29:37.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-012/00:19:33.7
19869	M1O	04-012/00:29:38.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-012/00:19:34.7
19870	M1O	04-012/00:29:38.5	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19871	M1O	04-012/00:29:39.5		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-012/00:19:35.7
19872	M1O	04-012/00:38:28.7		NOTE: Descending Node Crossing 9214		04-012/00:28:24.9
19873	M1O	04-012/01:07:47.6		NOTE: South Pole Crossing 9214		04-012/00:57:43.7
19874	M1O	04-012/01:08:24.8		NOTE: Periapsis 9214 ----------		04-012/00:58:20.9
19875	M1O	04-012/01:24:20.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
19876	M1O	04-012/01:34:20.0	14	Range Modulation Off		
19877	M1O	04-012/01:35:45.9		NOTE: Enter Solar Eclipse 9214		04-012/01:25:41.9
19878	M1O	04-012/01:37:04.6		NOTE: Ascending Node Crossing 9214		04-012/01:27:00.6
19879	M1O	04-012/01:39:20.0	14	X-Band Transmitter Off		
19880	M1O	04-012/01:45:00.0	43	Begin Pre-Cal		
19881	M1O	04-012/01:45:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
19882	M1O	04-012/01:45:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
19883	M1O	04-012/01:45:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
19884	M1O	04-012/01:45:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
19885	M1O	04-012/01:45:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
19886	M1O	04-012/01:45:00.0	43	Config: RCV: Parms:		
19887	M1O	04-012/01:45:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
19888	M1O	04-012/01:45:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
19889	M1O	04-012/01:45:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
19890	M1O	04-012/01:55:18.1		NOTE: Exit Solar Eclipse 9214		04-012/01:45:14.0
19891	M1O	04-012/01:58:25.7		SPAWN, Engine = 65535, Parameters = 3, 00:29:48, 1	dpt	04-012/01:48:21.6
19892	M1O	04-012/01:58:27.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/01:48:23.7
19893	M1O	04-012/01:58:27.8	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19894	M1O	04-012/01:58:28.8		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-012/01:48:24.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
19895	M1O	04-012/01:59:28.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19896	M1O	04-012/01:59:29.0		NOTE: ENTER HGA KEEP OUT ZONE		
19897	M1O	04-012/01:59:29.0	14	NOTE: Loss Of X-Band Signal		
19898	M1O	04-012/02:03:08.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19899	M1O	04-012/02:05:58.0		NOTE: Enter Planetary Atmosphere 9214		04-012/01:55:53.9
19900	M1O	04-012/02:07:03.6		NOTE: North Pole Crossing 9214		04-012/01:56:59.4
19901	M1O	04-012/02:07:47.7		NOTE: Apoapsis 9214 -		04-012/01:57:43.6
19902	M1O	04-012/02:07:53.8		NOTE: Enter Earth Occultation 9214		04-012/01:57:49.7
19903	M1O	04-012/02:08:08.0	14	Range Modulation On: SUP=3.0dB		
19904	M1O	04-012/02:09:08.0	14	Begin Ranging Acquisition		
19905	M1O	04-012/02:14:29.1		NOTE: EXIT HGA KEEP OUT ZONE		
19906	M1O	04-012/02:22:44.1		NOTE: Exit Earth Occultation 9214		04-012/02:12:40.0
19907	M1O	04-012/02:22:44.1	14	Acquisition Of X-Band Signal		
19908	M1O	04-012/02:22:44.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19909	M1O	04-012/02:23:16.1	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19910	M1O	04-012/02:24:41.2		NOTE: Exit Planetary Atmosphere 9214		04-012/02:14:37.0
19911	M1O	04-012/02:28:15.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-012/02:18:11.7
19912	M1O	04-012/02:28:15.8	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19913	M1O	04-012/02:28:16.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-012/02:18:12.7
19914	M1O	04-012/02:37:04.2		NOTE: Descending Node Crossing 9215		04-012/02:27:00.0
19915	M1O	04-012/03:00:00.0	43	Begin Tracking		
19916	M1O	04-012/03:00:00.0	43	Acquire D/L: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19917	M1O	04-012/03:06:23.1		NOTE: South Pole Crossing 9215		04-012/02:56:18.9
19918	M1O	04-012/03:06:59.5		NOTE: Periapsis 9215 ----------		04-012/02:56:55.2
19919	M1O	04-012/03:22:55.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
19920	M1O	04-012/03:32:26.3		SPAWN, Engine = 65535, Parameters = 012, 01, FALSE, 00:12:45.061, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-012/03:22:22.0
19921	M1O	04-012/03:32:27.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-012/03:22:23.1
19922	M1O	04-012/03:32:29.4		CALL, Engine = , Parameters = 56	get_cmd_opt	04-012/03:22:25.1
19923	M1O	04-012/03:32:55.0	14	Range Modulation Off		
19924	M1O	04-012/03:33:11.6		CALL, Engine = , Parameters = 56	get_apid	04-012/03:23:07.3
19925	M1O	04-012/03:33:12.7		CALL, Engine = , Parameters = 56	get_rcv_mode	04-012/03:23:08.4
19926	M1O	04-012/03:33:12.9		CALL, Engine = , Parameters = 56	get_dl_rate	04-012/03:23:08.6
19927	M1O	04-012/03:33:14.0		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-012/03:23:09.7
19928	M1O	04-012/03:33:15.2		CALL, Engine = , Parameters = 56	get_coding	04-012/03:23:10.9
19929	M1O	04-012/03:33:16.4		CALL, Engine = , Parameters = 56	get_xmt_mode	04-012/03:23:12.1
19930	M1O	04-012/03:33:17.6		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-012/03:23:13.3
19931	M1O	04-012/03:34:21.3		NOTE: Enter Solar Eclipse 9215		04-012/03:24:16.9
19932	M1O	04-012/03:34:22.4		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-012/03:24:18.1
19933	M1O	04-012/03:34:23.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-012/03:24:19.1
19934	M1O	04-012/03:34:24.4		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-012/03:24:20.1
19935	M1O	04-012/03:34:25.4		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-012/03:24:21.1
19936	M1O	04-012/03:34:26.4		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-012/03:24:22.1
19937	M1O	04-012/03:34:27.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-012/03:24:23.1
19938	M1O	04-012/03:34:28.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	04-012/03:24:24.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				BYPASS_COD, PSK		
19939	M1O	04-012/03:35:40.2		NOTE: Ascending Node Crossing 9215		04-012/03:25:35.8
19940	M1O	04-012/03:37:55.0	14	X-Band Transmitter Off		
19941	M1O	04-012/03:47:09.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-012/03:37:05.1
19942	M1O	04-012/03:47:10.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-012/03:37:06.2
19943	M1O	04-012/03:47:20.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-012/03:37:16.2
19944	M1O	04-012/03:47:21.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-012/03:37:17.2
19945	M1O	04-012/03:53:56.6		NOTE: Exit Solar Eclipse 9215		04-012/03:43:52.1
19946	M1O	04-012/03:57:01.0		SPAWN, Engine = 65535, Parameters = 3, 00:29:51, 1	dpt	04-012/03:46:56.6
19947	M1O	04-012/03:57:03.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/03:46:58.7
19948	M1O	04-012/03:57:03.1	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19949	M1O	04-012/03:57:03.1	43	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19950	M1O	04-012/03:57:04.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-012/03:46:59.7
19951	M1O	04-012/03:58:03.7	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19952	M1O	04-012/03:58:03.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19953	M1O	04-012/03:58:04.4		NOTE: ENTER HGA KEEP OUT ZONE		
19954	M1O	04-012/03:58:04.4	14	NOTE: Loss Of X-Band Signal		
19955	M1O	04-012/03:58:04.4	43	NOTE: Loss Of X-Band Signal		
19956	M1O	04-012/04:01:46.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19957	M1O	04-012/04:04:26.2		NOTE: Enter Planetary Atmosphere 9215		04-012/03:54:21.7
19958	M1O	04-012/04:05:38.0		NOTE: North Pole Crossing 9215		04-012/03:55:33.5
19959	M1O	04-012/04:06:18.6		NOTE: Apoapsis 9215 -		04-012/03:56:14.1
19960	M1O	04-012/04:06:20.8		NOTE: Enter Earth Occultation 9215		04-012/03:56:16.3
19961	M1O	04-012/04:06:46.0	14	Range Modulation On: SUP=3.0dB		
19962	M1O	04-012/04:07:46.0	14	Begin Ranging Acquisition		
19963	M1O	04-012/04:10:00.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
19964	M1O	04-012/04:13:04.5		NOTE: EXIT HGA KEEP OUT ZONE		
19965	M1O	04-012/04:20:00.0	14	Range Modulation Off		
19966	M1O	04-012/04:21:22.8		NOTE: Exit Earth Occultation 9215		04-012/04:11:18.3
19967	M1O	04-012/04:21:22.8	14	Acquisition Of X-Band Signal		
19968	M1O	04-012/04:21:22.8	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19969	M1O	04-012/04:21:22.8	43	Acquisition Of X-Band Signal		
19970	M1O	04-012/04:21:22.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19971	M1O	04-012/04:21:54.9	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19972	M1O	04-012/04:21:54.9	43	Acquire D/L: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19973	M1O	04-012/04:23:18.6		NOTE: Exit Planetary Atmosphere 9215		04-012/04:13:14.1
19974	M1O	04-012/04:25:00.0	14	X-Band Transmitter Off		
19975	M1O	04-012/04:26:54.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-012/04:16:49.7
19976	M1O	04-012/04:26:54.2	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19977	M1O	04-012/04:26:54.2	43	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19978	M1O	04-012/04:26:55.2		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-012/04:16:50.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
19979	M1O	04-012/04:30:00.0	14	End Tracking		
19980	M1O	04-012/04:35:37.3		NOTE: Descending Node Crossing 9216		04-012/04:25:32.7
19981	M1O	04-012/04:44:06.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-012/04:34:01.6
19982	M1O	04-012/04:44:08.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/04:34:03.7
19983	M1O	04-012/04:44:08.3	43	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19984	M1O	04-012/04:44:09.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-012/04:34:04.7
19985	M1O	04-012/04:45:00.0	14	End Post-Cal		
19986	M1O	04-012/04:45:09.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19987	M1O	04-012/04:50:08.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-012/04:40:03.7
19988	M1O	04-012/04:50:08.3	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19989	M1O	04-012/04:50:09.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-012/04:40:04.7
19990	M1O	04-012/05:04:55.9		NOTE: South Pole Crossing 9216		04-012/04:54:51.2
19991	M1O	04-012/05:05:33.8		NOTE: Periapsis 9216 ----------		04-012/04:55:29.1
19992	M1O	04-012/05:19:40.7		SPAWN, Engine = 65535, Parameters = 012, 02, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-012/05:09:36.0
19993	M1O	04-012/05:19:41.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/05:09:36.5
19994	M1O	04-012/05:19:41.2	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19995	M1O	04-012/05:19:41.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-012/05:09:37.1
19996	M1O	04-012/05:19:43.8		CALL, Engine = , Parameters = 56	get_cmd_opt	04-012/05:09:39.1
19997	M1O	04-012/05:19:44.1		CALL, Engine = , Parameters = 012, 02, 056	bld_autosw	04-012/05:09:39.4
19998	M1O	04-012/05:19:45.2		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-012/05:09:40.5
19999	M1O	04-012/05:19:46.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/05:09:41.6
20000	M1O	04-012/05:19:47.3		Deletes the designated file.: d:/dat/056_doy012_pass02_file01.dat	FILE_DELETE	04-012/05:09:42.6
20001	M1O	04-012/05:19:48.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/05:09:43.7
20002	M1O	04-012/05:19:49.4		Deletes the designated file.: d:/dat/056_doy012_pass02_file02.dat	FILE_DELETE	04-012/05:09:44.7
20003	M1O	04-012/05:19:50.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/05:09:45.8
20004	M1O	04-012/05:19:51.5		Deletes the designated file.: d:/dat/056_doy012_pass02_file03.dat	FILE_DELETE	04-012/05:09:46.8
20005	M1O	04-012/05:19:52.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/05:09:47.9
20006	M1O	04-012/05:19:53.6		Deletes the designated file.: d:/dat/056_doy012_pass02_file04.dat	FILE_DELETE	04-012/05:09:48.9
20007	M1O	04-012/05:19:54.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/05:09:50.0
20008	M1O	04-012/05:19:55.7		Deletes the designated file.: d:/dat/056_doy012_pass02_file05.dat	FILE_DELETE	04-012/05:09:51.0
20009	M1O	04-012/05:19:56.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/05:09:52.1
20010	M1O	04-012/05:19:57.8		Deletes the designated file.: d:/dat/056_doy012_pass02_file06.dat	FILE_DELETE	04-012/05:09:53.1
20011	M1O	04-012/05:19:58.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/05:09:54.2
20012	M1O	04-012/05:19:59.9		Deletes the designated file.: d:/dat/056_doy012_pass02_file07.dat	FILE_DELETE	04-012/05:09:55.2
20013	M1O	04-012/05:20:01.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/05:09:56.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
20014	M1O	04-012/05:20:02.0		Deletes the designated file.: d:/dat/056_doy012_pass02_file08.dat	FILE_DELETE	04-012/05:09:57.3
20015	M1O	04-012/05:20:03.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/05:09:58.4
20016	M1O	04-012/05:20:04.1		Deletes the designated file.: d:/dat/056_doy012_pass02_file09.dat	FILE_DELETE	04-012/05:09:59.4
20017	M1O	04-012/05:20:05.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/05:10:00.5
20018	M1O	04-012/05:20:06.2		Deletes the designated file.: d:/dat/056_doy012_pass02_file10.dat	FILE_DELETE	04-012/05:10:01.5
20019	M1O	04-012/05:20:07.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/05:10:02.6
20020	M1O	04-012/05:20:08.3		Deletes the designated file.: d:/dat/056_doy012_pass02_file11.dat	FILE_DELETE	04-012/05:10:03.6
20021	M1O	04-012/05:20:09.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/05:10:04.7
20022	M1O	04-012/05:20:10.4		Deletes the designated file.: d:/dat/056_doy012_pass02_file12.dat	FILE_DELETE	04-012/05:10:05.7
20023	M1O	04-012/05:20:11.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/05:10:06.8
20024	M1O	04-012/05:20:12.5		Deletes the designated file.: d:/dat/056_doy012_pass02_file13.dat	FILE_DELETE	04-012/05:10:07.8
20025	M1O	04-012/05:20:13.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/05:10:08.9
20026	M1O	04-012/05:20:14.6		Deletes the designated file.: d:/dat/056_doy012_pass02_file14.dat	FILE_DELETE	04-012/05:10:09.9
20027	M1O	04-012/05:20:15.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/05:10:11.0
20028	M1O	04-012/05:20:16.7		Deletes the designated file.: d:/dat/056_doy012_pass02_file15.dat	FILE_DELETE	04-012/05:10:12.0
20029	M1O	04-012/05:20:17.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/05:10:13.1
20030	M1O	04-012/05:20:18.8		Deletes the designated file.: d:/dat/056_doy012_pass02_file16.dat	FILE_DELETE	04-012/05:10:14.1
20031	M1O	04-012/05:20:19.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/05:10:15.2
20032	M1O	04-012/05:20:20.9		Deletes the designated file.: d:/dat/056_doy012_pass02_file17.dat	FILE_DELETE	04-012/05:10:16.2
20033	M1O	04-012/05:20:22.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/05:10:17.3
20034	M1O	04-012/05:20:23.0		Deletes the designated file.: d:/dat/056_doy012_pass02_file18.dat	FILE_DELETE	04-012/05:10:18.3
20035	M1O	04-012/05:20:24.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/05:10:19.4
20036	M1O	04-012/05:20:25.1		Deletes the designated file.: d:/dat/056_doy012_pass02_file19.dat	FILE_DELETE	04-012/05:10:20.4
20037	M1O	04-012/05:20:26.1		CALL, Engine = , Parameters = 56	get_apid	04-012/05:10:21.4
20038	M1O	04-012/05:20:27.2		CALL, Engine = , Parameters = 56	get_rcv_mode	04-012/05:10:22.5
20039	M1O	04-012/05:20:27.4		CALL, Engine = , Parameters = 56	get_dl_rate	04-012/05:10:22.7
20040	M1O	04-012/05:20:28.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-012/05:10:23.8
20041	M1O	04-012/05:20:29.7		CALL, Engine = , Parameters = 56	get_coding	04-012/05:10:25.0
20042	M1O	04-012/05:20:30.9		CALL, Engine = , Parameters = 56	get_xmt_mode	04-012/05:10:26.2
20043	M1O	04-012/05:20:32.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-012/05:10:27.4
20044	M1O	04-012/05:21:36.9		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-012/05:11:32.2
20045	M1O	04-012/05:21:37.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-012/05:11:33.2
20046	M1O	04-012/05:21:38.9		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-012/05:11:34.2
20047	M1O	04-012/05:21:39.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-012/05:11:35.2
20048	M1O	04-012/05:21:40.9		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-012/05:11:36.2
20049	M1O	04-012/05:21:41.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-012/05:11:37.2
20050	M1O	04-012/05:21:42.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-012/05:11:38.2
20051	M1O	04-012/05:23:32.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/05:13:28.2
20052	M1O	04-012/05:23:42.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-012/05:13:38.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
20053	M1O	04-012/05:32:53.1		NOTE: Enter Solar Eclipse 9216		04-012/05:22:48.3
20054	M1O	04-012/05:34:12.7		NOTE: Ascending Node Crossing 9216		04-012/05:24:07.9
20055	M1O	04-012/05:52:31.1		NOTE: Exit Solar Eclipse 9216		04-012/05:42:26.3
20056	M1O	04-012/05:53:41.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-012/05:43:36.2
20057	M1O	04-012/05:53:42.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-012/05:43:37.3
20058	M1O	04-012/05:53:52.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-012/05:43:47.3
20059	M1O	04-012/05:53:53.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-012/05:43:48.3
20060	M1O	04-012/05:53:54.1		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-012/05:43:49.3
20061	M1O	04-012/05:53:54.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20062	M1O	04-012/05:53:55.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-012/05:43:50.3
20063	M1O	04-012/05:55:34.8		SPAWN, Engine = 65535, Parameters = 3, 00:29:19.384, 1	dpt	04-012/05:45:30.0
20064	M1O	04-012/05:55:36.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/05:45:32.1
20065	M1O	04-012/05:55:37.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-012/05:45:33.1
20066	M1O	04-012/05:56:36.8		NOTE: ENTER HGA KEEP OUT ZONE		
20067	M1O	04-012/05:56:36.8	43	NOTE: Loss Of X-Band Signal		
20068	M1O	04-012/06:02:54.4		NOTE: Enter Planetary Atmosphere 9216		04-012/05:52:49.5
20069	M1O	04-012/06:04:09.9		NOTE: North Pole Crossing 9216		04-012/05:54:05.0
20070	M1O	04-012/06:04:48.4		NOTE: Enter Earth Occultation 9216		04-012/05:54:43.5
20071	M1O	04-012/06:05:01.9		NOTE: Apoapsis 9216 -		04-012/05:54:57.0
20072	M1O	04-012/06:11:36.8		NOTE: EXIT HGA KEEP OUT ZONE		
20073	M1O	04-012/06:19:56.2		NOTE: Exit Earth Occultation 9216		04-012/06:09:51.3
20074	M1O	04-012/06:19:56.2	43	Acquisition Of X-Band Signal		
20075	M1O	04-012/06:19:56.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20076	M1O	04-012/06:21:51.5		NOTE: Exit Planetary Atmosphere 9216		04-012/06:11:46.6
20077	M1O	04-012/06:24:56.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-012/06:14:51.4
20078	M1O	04-012/06:24:56.4	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20079	M1O	04-012/06:24:57.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-012/06:14:52.4
20080	M1O	04-012/06:34:08.7		NOTE: Descending Node Crossing 9217		04-012/06:24:03.8
20081	M1O	04-012/07:03:26.4		NOTE: South Pole Crossing 9217		04-012/06:53:21.4
20082	M1O	04-012/07:03:55.6		NOTE: Periapsis 9217 ----------		04-012/06:53:50.6
20083	M1O	04-012/07:10:05.0		SPAWN, Engine = 65535, Parameters =	scdiag	04-012/07:00:00.0
20084	M1O	04-012/07:10:06.1		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-012/07:00:01.1
20085	M1O	04-012/07:10:07.1		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-012/07:00:02.1
20086	M1O	04-012/07:11:08.0		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-012/07:01:03.0
20087	M1O	04-012/07:11:08.2		NOTE: Start Block fsw_diag		04-012/07:01:03.2
20088	M1O	04-012/07:11:09.2		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-012/07:01:04.2
20089	M1O	04-012/07:11:10.2		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	04-012/07:01:05.2
20090	M1O	04-012/07:11:21.2		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	04-012/07:01:16.2
20091	M1O	04-012/07:11:51.2		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-012/07:01:46.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
20092	M1O	04-012/07:12:11.2		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-012/07:02:06.2
20093	M1O	04-012/07:12:21.2		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-012/07:02:16.2
20094	M1O	04-012/07:12:41.2		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-012/07:02:36.2
20095	M1O	04-012/07:12:51.2		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-012/07:02:46.2
20096	M1O	04-012/07:12:56.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-012/07:02:51.2
20097	M1O	04-012/07:13:01.2		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-012/07:02:56.2
20098	M1O	04-012/07:13:06.2		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-012/07:03:01.2
20099	M1O	04-012/07:13:11.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-012/07:03:06.2
20100	M1O	04-012/07:13:16.2		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-012/07:03:11.2
20101	M1O	04-012/07:13:56.2		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-012/07:03:51.2
20102	M1O	04-012/07:14:01.2		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-012/07:03:56.2
20103	M1O	04-012/07:14:06.2		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-012/07:04:01.2
20104	M1O	04-012/07:14:11.2		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-012/07:04:06.2
20105	M1O	04-012/07:14:16.2		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-012/07:04:11.2
20106	M1O	04-012/07:14:17.2		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-012/07:04:12.2
20107	M1O	04-012/07:14:18.2		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-012/07:04:13.2
20108	M1O	04-012/07:14:19.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-012/07:04:14.2
20109	M1O	04-012/07:14:30.2		NOTE: End Block fsw_diag.mod		04-012/07:04:25.2
20110	M1O	04-012/07:31:23.6		NOTE: Enter Solar Eclipse 9217		04-012/07:21:18.5
20111	M1O	04-012/07:32:42.7		NOTE: Ascending Node Crossing 9217		04-012/07:22:37.6
20112	M1O	04-012/07:50:57.7		NOTE: Exit Solar Eclipse 9217		04-012/07:40:52.5
20113	M1O	04-012/07:54:07.1		SPAWN, Engine = 65535, Parameters = 3, 00:29:14.221, 1	dpt	04-012/07:44:02.0
20114	M1O	04-012/07:54:09.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/07:44:04.1
20115	M1O	04-012/07:54:09.2	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20116	M1O	04-012/07:54:10.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-012/07:44:05.1
20117	M1O	04-012/07:55:09.2		NOTE: ENTER HGA KEEP OUT ZONE		
20118	M1O	04-012/07:55:09.2	43	NOTE: Loss Of X-Band Signal		
20119	M1O	04-012/08:01:30.1		NOTE: Enter Planetary Atmosphere 9217		04-012/07:51:24.8
20120	M1O	04-012/08:02:41.0		NOTE: North Pole Crossing 9217		04-012/07:52:35.8
20121	M1O	04-012/08:03:18.6		NOTE: Apoapsis 9217 -		04-012/07:53:13.4
20122	M1O	04-012/08:03:25.1		NOTE: Enter Earth Occultation 9217		04-012/07:53:19.9
20123	M1O	04-012/08:10:09.2		NOTE: EXIT HGA KEEP OUT ZONE		
20124	M1O	04-012/08:18:23.4		NOTE: Exit Earth Occultation 9217		04-012/08:08:18.2
20125	M1O	04-012/08:18:23.4	43	Acquisition Of X-Band Signal		
20126	M1O	04-012/08:18:23.4	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20127	M1O	04-012/08:20:19.8		NOTE: Exit Planetary Atmosphere 9217		04-012/08:10:14.5
20128	M1O	04-012/08:23:23.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-012/08:13:18.3
20129	M1O	04-012/08:23:23.6	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20130	M1O	04-012/08:23:24.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-012/08:13:19.3
20131	M1O	04-012/08:32:40.6		NOTE: Descending Node Crossing 9218		04-012/08:22:35.3
20132	M1O	04-012/09:01:58.4		NOTE: South Pole Crossing 9218		04-012/08:51:53.0
20133	M1O	04-012/09:02:06.9		NOTE: Periapsis 9218 ----------		04-012/08:52:01.5
20134	M1O	04-012/09:29:59.1		NOTE: Enter Solar Eclipse 9218		04-012/09:19:53.6
20135	M1O	04-012/09:31:15.6		NOTE: Ascending Node Crossing 9218		04-012/09:21:10.1
20136	M1O	04-012/09:49:24.8		NOTE: Exit Solar Eclipse 9218		04-012/09:39:19.2
20137	M1O	04-012/09:52:38.5		SPAWN, Engine = 65535, Parameters = 3, 00:29:10.569, 1	dpt	04-012/09:42:33.0
20138	M1O	04-012/09:52:40.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/09:42:35.1
20139	M1O	04-012/09:52:40.6	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
20140	M1O	04-012/09:52:41.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-012/09:42:36.1
20141	M1O	04-012/09:53:40.5		NOTE: ENTER HGA KEEP OUT ZONE		
20142	M1O	04-012/09:53:40.5	43	NOTE: Loss Of X-Band Signal		
20143	M1O	04-012/10:00:11.1		NOTE: Enter Planetary Atmosphere 9218		04-012/09:50:05.5
20144	M1O	04-012/10:01:14.8		NOTE: North Pole Crossing 9218		04-012/09:51:09.3
20145	M1O	04-012/10:01:35.8		NOTE: Apoapsis 9218 -		04-012/09:51:30.2
20146	M1O	04-012/10:02:07.7		NOTE: Enter Earth Occultation 9218		04-012/09:52:02.1
20147	M1O	04-012/10:08:40.6		NOTE: EXIT HGA KEEP OUT ZONE		
20148	M1O	04-012/10:16:51.2		NOTE: Exit Earth Occultation 9218		04-012/10:06:45.5
20149	M1O	04-012/10:16:51.2	43	Acquisition Of X-Band Signal		
20150	M1O	04-012/10:16:51.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20151	M1O	04-012/10:18:49.1		NOTE: Exit Planetary Atmosphere 9218		04-012/10:08:43.4
20152	M1O	04-012/10:21:51.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-012/10:11:45.6
20153	M1O	04-012/10:21:51.3	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20154	M1O	04-012/10:21:52.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-012/10:11:46.6
20155	M1O	04-012/10:23:44.6		SPAWN, Engine = 65535, Parameters = 012, 01, FALSE, 00:15:46.264, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-012/10:13:39.0
20156	M1O	04-012/10:23:45.7		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-012/10:13:40.1
20157	M1O	04-012/10:23:47.7		CALL, Engine = , Parameters = 254	get_cmd_opt	04-012/10:13:42.1
20158	M1O	04-012/10:24:29.9		CALL, Engine = , Parameters = 254	get_apid	04-012/10:14:24.3
20159	M1O	04-012/10:24:31.0		CALL, Engine = , Parameters = 254	get_rcv_mode	04-012/10:14:25.4
20160	M1O	04-012/10:24:31.2		CALL, Engine = , Parameters = 254	get_dl_rate	04-012/10:14:25.6
20161	M1O	04-012/10:24:32.3		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-012/10:14:26.7
20162	M1O	04-012/10:24:33.6		CALL, Engine = , Parameters = 254	get_coding	04-012/10:14:28.0
20163	M1O	04-012/10:24:34.8		CALL, Engine = , Parameters = 254	get_xmt_mode	04-012/10:14:29.2
20164	M1O	04-012/10:24:36.0		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-012/10:14:30.4
20165	M1O	04-012/10:25:40.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-012/10:15:35.2
20166	M1O	04-012/10:25:41.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-012/10:15:36.2
20167	M1O	04-012/10:25:42.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-012/10:15:37.2
20168	M1O	04-012/10:25:43.8		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-012/10:15:38.2
20169	M1O	04-012/10:25:44.8		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-012/10:15:39.2
20170	M1O	04-012/10:25:45.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-012/10:15:40.2
20171	M1O	04-012/10:25:46.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-012/10:15:41.2
20172	M1O	04-012/10:31:15.1		NOTE: Descending Node Crossing 9219		04-012/10:21:09.4
20173	M1O	04-012/10:41:29.1		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-012/10:31:23.4
20174	M1O	04-012/10:41:30.2		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-012/10:31:24.5
20175	M1O	04-012/10:41:40.2		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-012/10:31:34.5
20176	M1O	04-012/10:41:41.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-012/10:31:35.5
20177	M1O	04-012/11:00:34.2		NOTE: South Pole Crossing 9219		04-012/10:50:28.4
20178	M1O	04-012/11:00:54.4		NOTE: Periapsis 9219 ----------		04-012/10:50:48.6
20179	M1O	04-012/11:28:36.1		NOTE: Enter Solar Eclipse 9219		04-012/11:18:30.3
20180	M1O	04-012/11:29:52.4		NOTE: Ascending Node Crossing 9219		04-012/11:19:46.5
20181	M1O	04-012/11:44:24.9		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-012/11:34:19.0
20182	M1O	04-012/11:44:40.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-010T11:34:19.100, 2004-012T11:34:19.100	PCKTS_RE_TX_TIME	04-012/11:34:34.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
20183	M1O	04-012/11:44:41.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-010T11:34:19.100, 2004-012T11:34:19.100	PCKTS_RE_TX_TIME	04-012/11:34:35.8
20184	M1O	04-012/11:44:42.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-010T11:34:19.100, 2004-012T11:34:19.100	PCKTS_RE_TX_TIME	04-012/11:34:36.8
20185	M1O	04-012/11:44:43.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-010T11:34:19.100, 2004-012T11:34:19.100	PCKTS_RE_TX_TIME	04-012/11:34:37.8
20186	M1O	04-012/11:44:44.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-010T11:34:19.100, 2004-012T11:34:19.100	PCKTS_RE_TX_TIME	04-012/11:34:38.8
20187	M1O	04-012/11:44:45.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-010T11:34:19.100, 2004-012T11:34:19.100	PCKTS_RE_TX_TIME	04-012/11:34:39.8
20188	M1O	04-012/11:44:45.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-012/11:34:39.8
20189	M1O	04-012/11:44:45.7	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20190	M1O	04-012/11:47:59.5		NOTE: Exit Solar Eclipse 9219		04-012/11:37:53.6
20191	M1O	04-012/11:51:46.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/11:41:40.8
20192	M1O	04-012/11:51:46.7	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20193	M1O	04-012/11:51:47.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-012/11:41:41.8
20194	M1O	04-012/11:52:03.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-012/11:41:57.8
20195	M1O	04-012/11:52:03.7	43	D/L RF Warning: SC antenna change - expect signal level variation		
20196	M1O	04-012/11:52:04.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-012/11:41:58.8
20197	M1O	04-012/11:52:34.9		NOTE: ENTER HGA KEEP OUT ZONE		
20198	M1O	04-012/11:52:34.9	43	NOTE: Loss Of X-Band Signal		
20199	M1O	04-012/11:58:49.4		NOTE: Enter Planetary Atmosphere 9219		04-012/11:48:43.4
20200	M1O	04-012/11:59:51.1		NOTE: North Pole Crossing 9219		04-012/11:49:45.2
20201	M1O	04-012/12:00:32.6		NOTE: Apoapsis 9219 -		04-012/11:50:26.6
20202	M1O	04-012/12:00:46.7		NOTE: Enter Earth Occultation 9219		04-012/11:50:40.7
20203	M1O	04-012/12:07:14.9		NOTE: EXIT HGA KEEP OUT ZONE		
20204	M1O	04-012/12:15:23.8		NOTE: Exit Earth Occultation 9219		04-012/12:05:17.8
20205	M1O	04-012/12:15:23.8	43	Acquisition Of X-Band Signal		
20206	M1O	04-012/12:15:23.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20207	M1O	04-012/12:17:22.3		NOTE: Exit Planetary Atmosphere 9219		04-012/12:07:16.3
20208	M1O	04-012/12:20:02.0		SPAWN, Engine = 65535, Parameters = 012, 02, TRUE, 00:17:51, 254, FALSE, 32_KPS, 00:05:00, 00:00:00	uhf	04-012/12:09:56.0
20209	M1O	04-012/12:20:03.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-012/12:09:57.1
20210	M1O	04-012/12:20:05.1		CALL, Engine = , Parameters = 254	get_cmd_opt	04-012/12:09:59.1
20211	M1O	04-012/12:20:05.4		CALL, Engine = , Parameters = 012, 02, 254	bld_autosw	04-012/12:09:59.4
20212	M1O	04-012/12:20:06.5		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-012/12:10:00.5
20213	M1O	04-012/12:20:07.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/12:10:01.6
20214	M1O	04-012/12:20:08.6		Deletes the designated file.: d:/dat/254_doy012_pass02_file01.dat	FILE_DELETE	04-012/12:10:02.6
20215	M1O	04-012/12:20:09.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/12:10:03.7
20216	M1O	04-012/12:20:10.7		Deletes the designated file.: d:/dat/254_doy012_pass02_file02.dat	FILE_DELETE	04-012/12:10:04.7
20217	M1O	04-012/12:20:11.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/12:10:05.8
20218	M1O	04-012/12:20:12.8		Deletes the designated file.: d:/dat/254_doy012_pass02_file03.dat	FILE_DELETE	04-012/12:10:06.8
20219	M1O	04-012/12:20:13.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/12:10:07.9
20220	M1O	04-012/12:20:14.9		Deletes the designated file.: d:/dat/254_doy012_pass02_file04.dat	FILE_DELETE	04-012/12:10:08.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
20221	M1O	04-012/12:20:16.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/12:10:10.0
20222	M1O	04-012/12:20:17.0		Deletes the designated file.: d:/dat/254_doy012_pass02_file05.dat	FILE_DELETE	04-012/12:10:11.0
20223	M1O	04-012/12:20:18.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/12:10:12.1
20224	M1O	04-012/12:20:19.1		Deletes the designated file.: d:/dat/254_doy012_pass02_file06.dat	FILE_DELETE	04-012/12:10:13.1
20225	M1O	04-012/12:20:20.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/12:10:14.2
20226	M1O	04-012/12:20:21.2		Deletes the designated file.: d:/dat/254_doy012_pass02_file07.dat	FILE_DELETE	04-012/12:10:15.2
20227	M1O	04-012/12:20:22.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/12:10:16.3
20228	M1O	04-012/12:20:23.3		Deletes the designated file.: d:/dat/254_doy012_pass02_file08.dat	FILE_DELETE	04-012/12:10:17.3
20229	M1O	04-012/12:20:24.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/12:10:18.4
20230	M1O	04-012/12:20:25.4		Deletes the designated file.: d:/dat/254_doy012_pass02_file09.dat	FILE_DELETE	04-012/12:10:19.4
20231	M1O	04-012/12:20:26.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/12:10:20.5
20232	M1O	04-012/12:20:27.5		Deletes the designated file.: d:/dat/254_doy012_pass02_file10.dat	FILE_DELETE	04-012/12:10:21.5
20233	M1O	04-012/12:20:28.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/12:10:22.6
20234	M1O	04-012/12:20:29.6		Deletes the designated file.: d:/dat/254_doy012_pass02_file11.dat	FILE_DELETE	04-012/12:10:23.6
20235	M1O	04-012/12:20:30.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/12:10:24.7
20236	M1O	04-012/12:20:31.7		Deletes the designated file.: d:/dat/254_doy012_pass02_file12.dat	FILE_DELETE	04-012/12:10:25.7
20237	M1O	04-012/12:20:32.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/12:10:26.8
20238	M1O	04-012/12:20:33.8		Deletes the designated file.: d:/dat/254_doy012_pass02_file13.dat	FILE_DELETE	04-012/12:10:27.8
20239	M1O	04-012/12:20:34.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/12:10:28.9
20240	M1O	04-012/12:20:35.9		Deletes the designated file.: d:/dat/254_doy012_pass02_file14.dat	FILE_DELETE	04-012/12:10:29.9
20241	M1O	04-012/12:20:37.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/12:10:31.0
20242	M1O	04-012/12:20:38.0		Deletes the designated file.: d:/dat/254_doy012_pass02_file15.dat	FILE_DELETE	04-012/12:10:32.0
20243	M1O	04-012/12:20:39.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/12:10:33.1
20244	M1O	04-012/12:20:40.1		Deletes the designated file.: d:/dat/254_doy012_pass02_file16.dat	FILE_DELETE	04-012/12:10:34.1
20245	M1O	04-012/12:20:41.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/12:10:35.2
20246	M1O	04-012/12:20:42.2		Deletes the designated file.: d:/dat/254_doy012_pass02_file17.dat	FILE_DELETE	04-012/12:10:36.2
20247	M1O	04-012/12:20:43.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/12:10:37.3
20248	M1O	04-012/12:20:44.3		Deletes the designated file.: d:/dat/254_doy012_pass02_file18.dat	FILE_DELETE	04-012/12:10:38.3
20249	M1O	04-012/12:20:45.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/12:10:39.4
20250	M1O	04-012/12:20:46.4		Deletes the designated file.: d:/dat/254_doy012_pass02_file19.dat	FILE_DELETE	04-012/12:10:40.4
20251	M1O	04-012/12:20:47.4		CALL, Engine = , Parameters = 254	get_apid	04-012/12:10:41.4
20252	M1O	04-012/12:20:48.5		CALL, Engine = , Parameters = 254	get_rcv_mode	04-012/12:10:42.5
20253	M1O	04-012/12:20:48.7		CALL, Engine = , Parameters = 254	get_dl_rate	04-012/12:10:42.7
20254	M1O	04-012/12:20:49.8		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-012/12:10:43.8
20255	M1O	04-012/12:20:51.1		CALL, Engine = , Parameters = 254	get_coding	04-012/12:10:45.1
20256	M1O	04-012/12:20:52.3		CALL, Engine = , Parameters = 254	get_xmt_mode	04-012/12:10:46.3
20257	M1O	04-012/12:20:53.5		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-012/12:10:47.5
20258	M1O	04-012/12:21:58.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-012/12:11:52.3
20259	M1O	04-012/12:21:59.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-012/12:11:53.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
20260	M1O	04-012/12:22:00.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-012/12:11:54.3
20261	M1O	04-012/12:22:01.3		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-012/12:11:55.3
20262	M1O	04-012/12:22:02.3		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-012/12:11:56.3
20263	M1O	04-012/12:22:03.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-012/12:11:57.3
20264	M1O	04-012/12:22:04.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-012/12:11:58.3
20265	M1O	04-012/12:26:54.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/12:16:48.3
20266	M1O	04-012/12:27:04.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-012/12:16:58.3
20267	M1O	04-012/12:28:08.0	43	NOTE: Below Uplink Interlock Limit		
20268	M1O	04-012/12:29:51.4		NOTE: Descending Node Crossing 9220		04-012/12:19:45.3
20269	M1O	04-012/12:30:00.0	43	End Tracking		
20270	M1O	04-012/12:39:53.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-012/12:29:47.3
20271	M1O	04-012/12:39:54.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-012/12:29:48.4
20272	M1O	04-012/12:40:04.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-012/12:29:58.4
20273	M1O	04-012/12:40:05.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-012/12:29:59.4
20274	M1O	04-012/12:40:06.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-012/12:30:00.4
20275	M1O	04-012/12:40:07.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-012/12:30:01.4
20276	M1O	04-012/12:45:00.0	43	End Post-Cal		
20277	M1O	04-012/12:59:11.3		NOTE: South Pole Crossing 9220		04-012/12:49:05.1
20278	M1O	04-012/12:59:55.9		NOTE: Periapsis 9220 ----------		04-012/12:49:49.7
20279	M1O	04-012/13:27:11.3		NOTE: Enter Solar Eclipse 9220		04-012/13:17:05.1
20280	M1O	04-012/13:28:29.3		NOTE: Ascending Node Crossing 9220		04-012/13:18:23.1
20281	M1O	04-012/13:40:00.0	63	Begin Pre-Cal		
20282	M1O	04-012/13:40:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
20283	M1O	04-012/13:40:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
20284	M1O	04-012/13:40:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
20285	M1O	04-012/13:40:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
20286	M1O	04-012/13:40:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
20287	M1O	04-012/13:40:00.0	63	Config: RCV: Parms:		
20288	M1O	04-012/13:40:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
20289	M1O	04-012/13:40:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
20290	M1O	04-012/13:40:00.0	63	Config: TXL		
20291	M1O	04-012/13:40:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
20292	M1O	04-012/13:40:00.0	63	Config: CMD		
20293	M1O	04-012/13:40:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
20294	M1O	04-012/13:46:36.6		NOTE: Exit Solar Eclipse 9220		04-012/13:36:30.3
20295	M1O	04-012/13:51:11.3		NOTE: ENTER HGA KEEP OUT ZONE		
20296	M1O	04-012/13:57:25.5		NOTE: Enter Planetary Atmosphere 9220		04-012/13:47:19.2
20297	M1O	04-012/13:58:27.7		NOTE: North Pole Crossing 9220		04-012/13:48:21.4
20298	M1O	04-012/13:59:23.0		NOTE: Enter Earth Occultation 9220		04-012/13:49:16.7
20299	M1O	04-012/13:59:36.3		NOTE: Apoapsis 9220 -		04-012/13:49:30.0
20300	M1O	04-012/14:05:31.3		NOTE: EXIT HGA KEEP OUT ZONE		
20301	M1O	04-012/14:13:58.8		NOTE: Exit Earth Occultation 9220		04-012/14:03:52.4
20302	M1O	04-012/14:15:57.5		NOTE: Exit Planetary Atmosphere 9220		04-012/14:05:51.1
20303	M1O	04-012/14:28:28.2		NOTE: Descending Node Crossing 9221		04-012/14:18:21.7
20304	M1O	04-012/14:57:47.5		NOTE: South Pole Crossing 9221		04-012/14:47:41.0
20305	M1O	04-012/14:58:45.8		NOTE: Periapsis 9221 ----------		04-012/14:48:39.2
20306	M1O	04-012/15:09:35.5		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-012/14:59:28.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
20307	M1O	04-012/15:09:35.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/14:59:29.0
20308	M1O	04-012/15:09:36.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-012/14:59:30.0
20309	M1O	04-012/15:09:37.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-012/14:59:31.0
20310	M1O	04-012/15:09:38.6		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-012/14:59:32.0
20311	M1O	04-012/15:09:39.6		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-012/14:59:33.0
20312	M1O	04-012/15:09:49.6		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-012/14:59:43.0
20313	M1O	04-012/15:09:59.6		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-012/14:59:53.0
20314	M1O	04-012/15:10:00.0	63	Begin Tracking		
20315	M1O	04-012/15:10:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20316	M1O	04-012/15:11:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
20317	M1O	04-012/15:14:34.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
20318	M1O	04-012/15:14:59.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-012/15:04:53.0
20319	M1O	04-012/15:15:00.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-012/15:04:54.0
20320	M1O	04-012/15:15:00.6	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20321	M1O	04-012/15:15:01.6		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-012/15:04:55.0
20322	M1O	04-012/15:16:00.0	63	Range Modulation On: SUP=3.0dB		
20323	M1O	04-012/15:17:00.0	63	Begin Ranging Acquisition		
20324	M1O	04-012/15:24:34.0	63	Range Modulation Off		
20325	M1O	04-012/15:25:44.3		NOTE: Enter Solar Eclipse 9221		04-012/15:15:37.7
20326	M1O	04-012/15:27:04.5		NOTE: Ascending Node Crossing 9221		04-012/15:16:57.9
20327	M1O	04-012/15:29:34.0	63	X-Band Transmitter Off		
20328	M1O	04-012/15:30:10.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-012/15:20:03.8
20329	M1O	04-012/15:30:12.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/15:20:05.9
20330	M1O	04-012/15:30:12.6	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20331	M1O	04-012/15:30:13.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-012/15:20:06.9
20332	M1O	04-012/15:31:13.1	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20333	M1O	04-012/15:36:12.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-012/15:26:05.9
20334	M1O	04-012/15:36:12.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20335	M1O	04-012/15:36:13.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-012/15:26:06.9
20336	M1O	04-012/15:45:13.5		NOTE: Exit Solar Eclipse 9221		04-012/15:35:06.8
20337	M1O	04-012/15:48:44.5		SPAWN, Engine = 65535, Parameters = 3, 00:29:21, 1	dpt	04-012/15:38:37.8
20338	M1O	04-012/15:48:46.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/15:38:39.9
20339	M1O	04-012/15:48:46.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20340	M1O	04-012/15:48:47.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-012/15:38:40.9
20341	M1O	04-012/15:49:47.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20342	M1O	04-012/15:49:47.6		NOTE: ENTER HGA KEEP OUT ZONE		
20343	M1O	04-012/15:49:47.6	63	NOTE: Loss Of X-Band Signal		
20344	M1O	04-012/15:52:55.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
20345	M1O	04-012/15:55:57.6		NOTE: Enter Planetary Atmosphere 9221		04-012/15:45:50.9
20346	M1O	04-012/15:57:02.8		NOTE: North Pole Crossing 9221		04-012/15:46:56.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
20347	M1O	04-012/15:57:54.5		NOTE: Enter Earth Occultation 9221		04-012/15:47:47.8
20348	M1O	04-012/15:57:55.0	63	Range Modulation On: SUP=3.0dB		
20349	M1O	04-012/15:58:13.6		NOTE: Apoapsis 9221 -		04-012/15:48:06.9
20350	M1O	04-012/15:58:55.0	63	Begin Ranging Acquisition		
20351	M1O	04-012/16:04:07.7		NOTE: EXIT HGA KEEP OUT ZONE		
20352	M1O	04-012/16:12:36.1		NOTE: Exit Earth Occultation 9221		04-012/16:02:29.4
20353	M1O	04-012/16:12:36.1	63	Acquisition Of X-Band Signal		
20354	M1O	04-012/16:12:36.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20355	M1O	04-012/16:13:08.4	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20356	M1O	04-012/16:13:37.7		SPAWN, Engine = 65535, Parameters = 012, 03, FALSE, 00:15:46.999, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-012/16:03:31.0
20357	M1O	04-012/16:13:38.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-012/16:03:32.1
20358	M1O	04-012/16:13:40.8		CALL, Engine = , Parameters = 56	get_cmd_opt	04-012/16:03:34.1
20359	M1O	04-012/16:14:23.0		CALL, Engine = , Parameters = 56	get_apid	04-012/16:04:16.3
20360	M1O	04-012/16:14:24.1		CALL, Engine = , Parameters = 56	get_rcv_mode	04-012/16:04:17.4
20361	M1O	04-012/16:14:24.3		CALL, Engine = , Parameters = 56	get_dl_rate	04-012/16:04:17.6
20362	M1O	04-012/16:14:25.4		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-012/16:04:18.7
20363	M1O	04-012/16:14:26.6		CALL, Engine = , Parameters = 56	get_coding	04-012/16:04:19.9
20364	M1O	04-012/16:14:27.8		CALL, Engine = , Parameters = 56	get_xmt_mode	04-012/16:04:21.1
20365	M1O	04-012/16:14:29.0		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-012/16:04:22.3
20366	M1O	04-012/16:14:34.3		NOTE: Exit Planetary Atmosphere 9221		04-012/16:04:27.5
20367	M1O	04-012/16:15:33.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-012/16:05:27.1
20368	M1O	04-012/16:15:34.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-012/16:05:28.1
20369	M1O	04-012/16:15:35.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-012/16:05:29.1
20370	M1O	04-012/16:15:36.8		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-012/16:05:30.1
20371	M1O	04-012/16:15:37.8		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-012/16:05:31.1
20372	M1O	04-012/16:15:38.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-012/16:05:32.1
20373	M1O	04-012/16:15:39.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-012/16:05:33.1
20374	M1O	04-012/16:18:07.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-012/16:08:00.9
20375	M1O	04-012/16:18:07.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20376	M1O	04-012/16:18:08.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-012/16:08:01.9
20377	M1O	04-012/16:27:03.2		NOTE: Descending Node Crossing 9222		04-012/16:16:56.4
20378	M1O	04-012/16:31:22.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-012/16:21:16.0
20379	M1O	04-012/16:31:24.0		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-012/16:21:17.1
20380	M1O	04-012/16:31:34.0		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-012/16:21:27.1
20381	M1O	04-012/16:31:35.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-012/16:21:28.1
20382	M1O	04-012/16:56:21.2		NOTE: South Pole Crossing 9222		04-012/16:46:14.3
20383	M1O	04-012/16:57:09.1		NOTE: Periapsis 9222 ----------		04-012/16:47:02.2
20384	M1O	04-012/17:13:09.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
20385	M1O	04-012/17:23:09.0	63	Range Modulation Off		
20386	M1O	04-012/17:24:15.9		NOTE: Enter Solar Eclipse 9222		04-012/17:14:08.9
20387	M1O	04-012/17:25:37.2		NOTE: Ascending Node Crossing 9222		04-012/17:15:30.2
20388	M1O	04-012/17:28:09.0	63	X-Band Transmitter Off		
20389	M1O	04-012/17:43:48.1		NOTE: Exit Solar Eclipse 9222		04-012/17:33:41.1
20390	M1O	04-012/17:47:19.9		SPAWN, Engine = 65535, Parameters = 3, 00:29:19.870, 1	dpt	04-012/17:37:12.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
20391	M1O	04-012/17:47:22.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/17:37:14.9
20392	M1O	04-012/17:47:22.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20393	M1O	04-012/17:47:23.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-012/17:37:15.9
20394	M1O	04-012/17:48:23.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20395	M1O	04-012/17:48:23.0		NOTE: ENTER HGA KEEP OUT ZONE		
20396	M1O	04-012/17:48:23.0	63	NOTE: Loss Of X-Band Signal		
20397	M1O	04-012/17:51:30.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
20398	M1O	04-012/17:54:25.9		NOTE: Enter Planetary Atmosphere 9222		04-012/17:44:18.8
20399	M1O	04-012/17:55:35.2		NOTE: North Pole Crossing 9222		04-012/17:45:28.2
20400	M1O	04-012/17:56:22.0		NOTE: Enter Earth Occultation 9222		04-012/17:46:14.9
20401	M1O	04-012/17:56:27.1		NOTE: Apoapsis 9222 -		04-012/17:46:20.1
20402	M1O	04-012/17:56:30.0	63	Range Modulation On: SUP=3.0dB		
20403	M1O	04-012/17:57:30.0	63	Begin Ranging Acquisition		
20404	M1O	04-012/18:03:03.1		NOTE: EXIT HGA KEEP OUT ZONE		
20405	M1O	04-012/18:03:06.1		SPAWN, Engine = 65535, Parameters = 012, 04, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-012/17:52:59.0
20406	M1O	04-012/18:03:07.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-012/17:53:00.1
20407	M1O	04-012/18:03:09.2		CALL, Engine = , Parameters = 56	get_cmd_opt	04-012/17:53:02.1
20408	M1O	04-012/18:03:09.5		CALL, Engine = , Parameters = 012, 04, 056	bld_autosw	04-012/17:53:02.4
20409	M1O	04-012/18:03:10.6		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-012/17:53:03.5
20410	M1O	04-012/18:03:11.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass04_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/17:53:04.6
20411	M1O	04-012/18:03:12.7		Deletes the designated file.: d:/dat/056_doy012_pass04_file01.dat	FILE_DELETE	04-012/17:53:05.6
20412	M1O	04-012/18:03:13.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/17:53:06.7
20413	M1O	04-012/18:03:14.8		Deletes the designated file.: d:/dat/056_doy012_pass04_file02.dat	FILE_DELETE	04-012/17:53:07.7
20414	M1O	04-012/18:03:15.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass04_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/17:53:08.8
20415	M1O	04-012/18:03:16.9		Deletes the designated file.: d:/dat/056_doy012_pass04_file03.dat	FILE_DELETE	04-012/17:53:09.8
20416	M1O	04-012/18:03:18.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass04_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/17:53:10.9
20417	M1O	04-012/18:03:19.0		Deletes the designated file.: d:/dat/056_doy012_pass04_file04.dat	FILE_DELETE	04-012/17:53:11.9
20418	M1O	04-012/18:03:20.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass04_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/17:53:13.0
20419	M1O	04-012/18:03:21.1		Deletes the designated file.: d:/dat/056_doy012_pass04_file05.dat	FILE_DELETE	04-012/17:53:14.0
20420	M1O	04-012/18:03:22.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/17:53:15.1
20421	M1O	04-012/18:03:23.2		Deletes the designated file.: d:/dat/056_doy012_pass04_file06.dat	FILE_DELETE	04-012/17:53:16.1
20422	M1O	04-012/18:03:24.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass04_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/17:53:17.2
20423	M1O	04-012/18:03:25.3		Deletes the designated file.: d:/dat/056_doy012_pass04_file07.dat	FILE_DELETE	04-012/17:53:18.2
20424	M1O	04-012/18:03:26.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/17:53:19.3
20425	M1O	04-012/18:03:27.4		Deletes the designated file.: d:/dat/056_doy012_pass04_file08.dat	FILE_DELETE	04-012/17:53:20.3
20426	M1O	04-012/18:03:28.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass04_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/17:53:21.4
20427	M1O	04-012/18:03:29.5		Deletes the designated file.: d:/dat/056_doy012_pass04_file09.dat	FILE_DELETE	04-012/17:53:22.4
20428	M1O	04-012/18:03:30.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass04_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/17:53:23.5

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20429	M1O	04-012/18:03:31.6		Deletes the designated file.: d:/dat/056_doy012_pass04_file10.dat	FILE_DELETE	04-012/17:53:24.5
20430	M1O	04-012/18:03:32.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/17:53:25.6
20431	M1O	04-012/18:03:33.7		Deletes the designated file.: d:/dat/056_doy012_pass04_file11.dat	FILE_DELETE	04-012/17:53:26.6
20432	M1O	04-012/18:03:34.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass04_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/17:53:27.7
20433	M1O	04-012/18:03:35.8		Deletes the designated file.: d:/dat/056_doy012_pass04_file12.dat	FILE_DELETE	04-012/17:53:28.7
20434	M1O	04-012/18:03:36.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass04_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/17:53:29.8
20435	M1O	04-012/18:03:37.9		Deletes the designated file.: d:/dat/056_doy012_pass04_file13.dat	FILE_DELETE	04-012/17:53:30.8
20436	M1O	04-012/18:03:39.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass04_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/17:53:31.9
20437	M1O	04-012/18:03:40.0		Deletes the designated file.: d:/dat/056_doy012_pass04_file14.dat	FILE_DELETE	04-012/17:53:32.9
20438	M1O	04-012/18:03:41.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass04_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/17:53:34.0
20439	M1O	04-012/18:03:42.1		Deletes the designated file.: d:/dat/056_doy012_pass04_file15.dat	FILE_DELETE	04-012/17:53:35.0
20440	M1O	04-012/18:03:43.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass04_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/17:53:36.1
20441	M1O	04-012/18:03:44.2		Deletes the designated file.: d:/dat/056_doy012_pass04_file16.dat	FILE_DELETE	04-012/17:53:37.1
20442	M1O	04-012/18:03:45.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass04_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/17:53:38.2
20443	M1O	04-012/18:03:46.3		Deletes the designated file.: d:/dat/056_doy012_pass04_file17.dat	FILE_DELETE	04-012/17:53:39.2
20444	M1O	04-012/18:03:47.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass04_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/17:53:40.3
20445	M1O	04-012/18:03:48.4		Deletes the designated file.: d:/dat/056_doy012_pass04_file18.dat	FILE_DELETE	04-012/17:53:41.3
20446	M1O	04-012/18:03:49.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy012_pass04_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/17:53:42.4
20447	M1O	04-012/18:03:50.5		Deletes the designated file.: d:/dat/056_doy012_pass04_file19.dat	FILE_DELETE	04-012/17:53:43.4
20448	M1O	04-012/18:03:51.5		CALL, Engine = , Parameters = 56	get_apid	04-012/17:53:44.4
20449	M1O	04-012/18:03:52.6		CALL, Engine = , Parameters = 56	get_rcv_mode	04-012/17:53:45.5
20450	M1O	04-012/18:03:52.8		CALL, Engine = , Parameters = 56	get_dl_rate	04-012/17:53:45.7
20451	M1O	04-012/18:03:53.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-012/17:53:46.8
20452	M1O	04-012/18:03:55.1		CALL, Engine = , Parameters = 56	get_coding	04-012/17:53:48.0
20453	M1O	04-012/18:03:56.3		CALL, Engine = , Parameters = 56	get_xmt_mode	04-012/17:53:49.2
20454	M1O	04-012/18:03:57.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-012/17:53:50.4
20455	M1O	04-012/18:05:02.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-012/17:54:55.2
20456	M1O	04-012/18:05:03.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-012/17:54:56.2
20457	M1O	04-012/18:05:04.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-012/17:54:57.2
20458	M1O	04-012/18:05:05.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-012/17:54:58.2
20459	M1O	04-012/18:05:06.3		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-012/17:54:59.2
20460	M1O	04-012/18:05:07.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-012/17:55:00.2
20461	M1O	04-012/18:05:08.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-012/17:55:01.2
20462	M1O	04-012/18:06:58.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/17:56:51.2
20463	M1O	04-012/18:07:08.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-012/17:57:01.2
20464	M1O	04-012/18:11:11.8		NOTE: Exit Earth Occultation 9222		04-012/18:01:04.7
20465	M1O	04-012/18:11:11.8	63	Acquisition Of X-Band Signal		
20466	M1O	04-012/18:11:11.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20467	M1O	04-012/18:11:44.1	63	Acquire D/L: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20468	M1O	04-012/18:13:09.2		NOTE: Exit Planetary Atmosphere 9222		04-012/18:03:02.0
20469	M1O	04-012/18:16:42.0		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-012/18:06:34.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
20470	M1O	04-012/18:16:42.0	63	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20471	M1O	04-012/18:16:42.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/18:06:35.8
20472	M1O	04-012/18:16:42.9	63	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20473	M1O	04-012/18:16:43.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-012/18:06:35.8
20474	M1O	04-012/18:25:34.9		NOTE: Descending Node Crossing 9223		04-012/18:15:27.7
20475	M1O	04-012/18:37:06.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-012/18:26:59.2
20476	M1O	04-012/18:37:07.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-012/18:27:00.3
20477	M1O	04-012/18:37:17.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-012/18:27:10.3
20478	M1O	04-012/18:37:18.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-012/18:27:11.3
20479	M1O	04-012/18:37:19.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-012/18:27:12.3
20480	M1O	04-012/18:37:19.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20481	M1O	04-012/18:37:20.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-012/18:27:13.3
20482	M1O	04-012/18:42:19.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-012/18:32:12.0
20483	M1O	04-012/18:42:19.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20484	M1O	04-012/18:54:52.5		NOTE: South Pole Crossing 9223		04-012/18:44:45.2
20485	M1O	04-012/18:55:21.9		NOTE: Periapsis 9223 ----------		04-012/18:45:14.7
20486	M1O	04-012/19:11:18.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
20487	M1O	04-012/19:21:18.0	63	Range Modulation Off		
20488	M1O	04-012/19:22:48.4		NOTE: Enter Solar Eclipse 9223		04-012/19:12:41.1
20489	M1O	04-012/19:24:08.8		NOTE: Ascending Node Crossing 9223		04-012/19:14:01.4
20490	M1O	04-012/19:26:18.0	63	X-Band Transmitter Off		
20491	M1O	04-012/19:42:18.9		NOTE: Exit Solar Eclipse 9223		04-012/19:32:11.5
20492	M1O	04-012/19:45:30.4		SPAWN, Engine = 65535, Parameters = 3, 00:29:40, 1	dpt	04-012/19:35:23.0
20493	M1O	04-012/19:45:32.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/19:35:25.1
20494	M1O	04-012/19:45:32.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20495	M1O	04-012/19:45:33.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-012/19:35:26.1
20496	M1O	04-012/19:46:32.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20497	M1O	04-012/19:46:34.4		NOTE: ENTER HGA KEEP OUT ZONE		
20498	M1O	04-012/19:46:34.4	63	NOTE: Loss Of X-Band Signal		
20499	M1O	04-012/19:49:58.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
20500	M1O	04-012/19:52:57.2		NOTE: Enter Planetary Atmosphere 9223		04-012/19:42:49.7
20501	M1O	04-012/19:54:06.4		NOTE: North Pole Crossing 9223		04-012/19:43:58.9
20502	M1O	04-012/19:54:53.6		NOTE: Enter Earth Occultation 9223		04-012/19:44:46.1
20503	M1O	04-012/19:54:55.4		NOTE: Apoapsis 9223 -		04-012/19:44:47.9
20504	M1O	04-012/19:54:58.0	63	Range Modulation On: SUP=3.0dB		
20505	M1O	04-012/19:55:58.0	63	Begin Ranging Acquisition		
20506	M1O	04-012/20:01:34.4		NOTE: EXIT HGA KEEP OUT ZONE		
20507	M1O	04-012/20:09:41.1		NOTE: Exit Earth Occultation 9223		04-012/19:59:33.6
20508	M1O	04-012/20:09:41.1	63	Acquisition Of X-Band Signal		
20509	M1O	04-012/20:09:41.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20510	M1O	04-012/20:10:12.8	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20511	M1O	04-012/20:11:38.7		NOTE: Exit Planetary Atmosphere 9223		04-012/20:01:31.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
20512	M1O	04-012/20:15:12.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-012/20:05:05.1
20513	M1O	04-012/20:15:12.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20514	M1O	04-012/20:15:13.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-012/20:05:06.1
20515	M1O	04-012/20:24:05.4		NOTE: Descending Node Crossing 9224		04-012/20:13:57.9
20516	M1O	04-012/20:53:23.8		NOTE: South Pole Crossing 9224		04-012/20:43:16.2
20517	M1O	04-012/20:53:49.0		NOTE: Periapsis 9224 ----------		04-012/20:43:41.3
20518	M1O	04-012/21:10:09.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
20519	M1O	04-012/21:20:09.0	63	Range Modulation Off		
20520	M1O	04-012/21:21:22.0		NOTE: Enter Solar Eclipse 9224		04-012/21:11:14.2
20521	M1O	04-012/21:22:41.2		NOTE: Ascending Node Crossing 9224		04-012/21:12:33.5
20522	M1O	04-012/21:25:09.0	63	X-Band Transmitter Off		
20523	M1O	04-012/21:40:45.9		NOTE: Exit Solar Eclipse 9224		04-012/21:30:38.1
20524	M1O	04-012/21:44:21.8		SPAWN, Engine = 65535, Parameters = 3, 00:29:14, 1	dpt	04-012/21:34:14.0
20525	M1O	04-012/21:44:23.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/21:34:16.1
20526	M1O	04-012/21:44:23.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20527	M1O	04-012/21:44:24.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-012/21:34:17.1
20528	M1O	04-012/21:45:24.4	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20529	M1O	04-012/21:45:25.8		NOTE: ENTER HGA KEEP OUT ZONE		
20530	M1O	04-012/21:45:25.8	63	NOTE: Loss Of X-Band Signal		
20531	M1O	04-012/21:48:23.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
20532	M1O	04-012/21:51:39.4		NOTE: Enter Planetary Atmosphere 9224		04-012/21:41:31.5
20533	M1O	04-012/21:52:40.0		NOTE: North Pole Crossing 9224		04-012/21:42:32.2
20534	M1O	04-012/21:53:23.0	63	Range Modulation On: SUP=3.0dB		
20535	M1O	04-012/21:53:36.2		NOTE: Apoapsis 9224 -		04-012/21:43:28.4
20536	M1O	04-012/21:53:37.9		NOTE: Enter Earth Occultation 9224		04-012/21:43:30.0
20537	M1O	04-012/21:54:23.0	63	Begin Ranging Acquisition		
20538	M1O	04-012/21:59:45.8		NOTE: EXIT HGA KEEP OUT ZONE		
20539	M1O	04-012/22:08:06.3		NOTE: Exit Earth Occultation 9224		04-012/21:57:58.4
20540	M1O	04-012/22:08:06.3	63	Acquisition Of X-Band Signal		
20541	M1O	04-012/22:08:06.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20542	M1O	04-012/22:08:38.6	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20543	M1O	04-012/22:10:06.0		NOTE: Exit Planetary Atmosphere 9224		04-012/21:59:58.1
20544	M1O	04-012/22:11:42.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
20545	M1O	04-012/22:13:38.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-012/22:03:30.1
20546	M1O	04-012/22:13:38.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20547	M1O	04-012/22:13:39.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-012/22:03:31.1
20548	M1O	04-012/22:21:42.0	63	Range Modulation Off		
20549	M1O	04-012/22:22:40.3		NOTE: Descending Node Crossing 9225		04-012/22:12:32.4
20550	M1O	04-012/22:26:42.0	63	X-Band Transmitter Off		
20551	M1O	04-012/22:35:40.9		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-012/22:25:33.0
20552	M1O	04-012/22:35:41.0		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-012/22:25:33.1
20553	M1O	04-012/22:35:42.0		Forces a desaturation of the reaction wheels.	RW_DESAT	04-012/22:25:34.1
20554	M1O	04-012/22:38:46.9		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, TRUE	cend	04-012/22:28:39.0
20555	M1O	04-012/22:39:02.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-010T22:28:39.100, 2004-012T22:28:39.100	PCKTS_RE_TX_TIME	04-012/22:28:54.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
20556	M1O	04-012/22:39:03.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-010T22:28:39.100, 2004-012T22:28:39.100	PCKTS_RE_TX_TIME	04-012/22:28:55.8
20557	M1O	04-012/22:39:04.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-010T22:28:39.100, 2004-012T22:28:39.100	PCKTS_RE_TX_TIME	04-012/22:28:56.8
20558	M1O	04-012/22:39:05.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-010T22:28:39.100, 2004-012T22:28:39.100	PCKTS_RE_TX_TIME	04-012/22:28:57.8
20559	M1O	04-012/22:39:06.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-010T22:28:39.100, 2004-012T22:28:39.100	PCKTS_RE_TX_TIME	04-012/22:28:58.8
20560	M1O	04-012/22:39:07.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-010T22:28:39.100, 2004-012T22:28:39.100	PCKTS_RE_TX_TIME	04-012/22:28:59.8
20561	M1O	04-012/22:39:07.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-012/22:28:59.8
20562	M1O	04-012/22:39:07.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20563	M1O	04-012/22:46:08.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/22:36:00.8
20564	M1O	04-012/22:46:08.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20565	M1O	04-012/22:46:09.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-012/22:36:01.8
20566	M1O	04-012/22:46:39.8		Turns power OFF or ON to the SDST exciter on the active telecom side.: OFF	SDST_EXCITER	04-012/22:36:31.8
20567	M1O	04-012/22:46:39.8	63	NOTE: Loss Of X-Band Signal		
20568	M1O	04-012/22:46:49.8		Turns power OFF or ON to the SSPA assigned as active.: OFF	SSPA_POWER	04-012/22:36:41.8
20569	M1O	04-012/22:46:50.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-012/22:36:42.8
20570	M1O	04-012/22:46:51.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-012/22:36:43.8
20571	M1O	04-012/22:47:12.1		CALL, Engine = , Parameters = FALSE	park_hga	04-012/22:37:04.1
20572	M1O	04-012/22:47:12.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/22:37:04.1
20573	M1O	04-012/22:47:13.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-012/22:37:05.1
20574	M1O	04-012/22:47:14.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-012/22:37:06.1
20575	M1O	04-012/22:47:14.1		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-012/22:37:06.1
20576	M1O	04-012/22:47:14.1		NOTE: START HGA PARK		
20577	M1O	04-012/22:47:15.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-012/22:37:07.1
20578	M1O	04-012/22:47:16.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-012/22:37:08.1
20579	M1O	04-012/22:51:46.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-012/22:41:38.1
20580	M1O	04-012/22:51:59.0		NOTE: South Pole Crossing 9225		04-012/22:41:51.0
20581	M1O	04-012/22:52:31.2		NOTE: Periapsis 9225 ----------		04-012/22:42:23.2
20582	M1O	04-012/22:55:16.1		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-012/22:45:08.1
20583	M1O	04-012/22:55:16.1		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-012/22:45:08.1
20584	M1O	04-012/23:03:12.0		SPAWN, Engine = 65535, Parameters = 012, 03, TRUE, 00:17:14, 254, FALSE, 32_KPS, 00:05:00, 00:00:00	uhf	04-012/22:53:04.0
20585	M1O	04-012/23:03:13.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-012/22:53:05.1
20586	M1O	04-012/23:03:15.1		CALL, Engine = , Parameters = 254	get_cmd_opt	04-012/22:53:07.1
20587	M1O	04-012/23:03:15.4		CALL, Engine = , Parameters = 012, 03, 254	bld_autosw	04-012/22:53:07.4
20588	M1O	04-012/23:03:16.5		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-012/22:53:08.5
20589	M1O	04-012/23:03:17.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/22:53:09.6
20590	M1O	04-012/23:03:18.6		Deletes the designated file.: d:/dat/254_doy012_pass03_file01.dat	FILE_DELETE	04-012/22:53:10.6
20591	M1O	04-012/23:03:19.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/22:53:11.7
20592	M1O	04-012/23:03:20.7		Deletes the designated file.: d:/dat/254_doy012_pass03_file02.dat	FILE_DELETE	04-012/22:53:12.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
20593	M1O	04-012/23:03:21.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/22:53:13.8
20594	M1O	04-012/23:03:22.8		Deletes the designated file.: d:/dat/254_doy012_pass03_file03.dat	FILE_DELETE	04-012/22:53:14.8
20595	M1O	04-012/23:03:23.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/22:53:15.9
20596	M1O	04-012/23:03:24.9		Deletes the designated file.: d:/dat/254_doy012_pass03_file04.dat	FILE_DELETE	04-012/22:53:16.9
20597	M1O	04-012/23:03:26.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/22:53:18.0
20598	M1O	04-012/23:03:27.0		Deletes the designated file.: d:/dat/254_doy012_pass03_file05.dat	FILE_DELETE	04-012/22:53:19.0
20599	M1O	04-012/23:03:28.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/22:53:20.1
20600	M1O	04-012/23:03:29.1		Deletes the designated file.: d:/dat/254_doy012_pass03_file06.dat	FILE_DELETE	04-012/22:53:21.1
20601	M1O	04-012/23:03:30.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/22:53:22.2
20602	M1O	04-012/23:03:31.2		Deletes the designated file.: d:/dat/254_doy012_pass03_file07.dat	FILE_DELETE	04-012/22:53:23.2
20603	M1O	04-012/23:03:32.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/22:53:24.3
20604	M1O	04-012/23:03:33.3		Deletes the designated file.: d:/dat/254_doy012_pass03_file08.dat	FILE_DELETE	04-012/22:53:25.3
20605	M1O	04-012/23:03:34.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/22:53:26.4
20606	M1O	04-012/23:03:35.4		Deletes the designated file.: d:/dat/254_doy012_pass03_file09.dat	FILE_DELETE	04-012/22:53:27.4
20607	M1O	04-012/23:03:36.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/22:53:28.5
20608	M1O	04-012/23:03:37.5		Deletes the designated file.: d:/dat/254_doy012_pass03_file10.dat	FILE_DELETE	04-012/22:53:29.5
20609	M1O	04-012/23:03:38.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/22:53:30.6
20610	M1O	04-012/23:03:39.6		Deletes the designated file.: d:/dat/254_doy012_pass03_file11.dat	FILE_DELETE	04-012/22:53:31.6
20611	M1O	04-012/23:03:40.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/22:53:32.7
20612	M1O	04-012/23:03:41.7		Deletes the designated file.: d:/dat/254_doy012_pass03_file12.dat	FILE_DELETE	04-012/22:53:33.7
20613	M1O	04-012/23:03:42.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/22:53:34.8
20614	M1O	04-012/23:03:43.8		Deletes the designated file.: d:/dat/254_doy012_pass03_file13.dat	FILE_DELETE	04-012/22:53:35.8
20615	M1O	04-012/23:03:44.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/22:53:36.9
20616	M1O	04-012/23:03:45.9		Deletes the designated file.: d:/dat/254_doy012_pass03_file14.dat	FILE_DELETE	04-012/22:53:37.9
20617	M1O	04-012/23:03:47.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/22:53:39.0
20618	M1O	04-012/23:03:48.0		Deletes the designated file.: d:/dat/254_doy012_pass03_file15.dat	FILE_DELETE	04-012/22:53:40.0
20619	M1O	04-012/23:03:49.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/22:53:41.1
20620	M1O	04-012/23:03:50.1		Deletes the designated file.: d:/dat/254_doy012_pass03_file16.dat	FILE_DELETE	04-012/22:53:42.1
20621	M1O	04-012/23:03:51.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/22:53:43.2
20622	M1O	04-012/23:03:52.2		Deletes the designated file.: d:/dat/254_doy012_pass03_file17.dat	FILE_DELETE	04-012/22:53:44.2
20623	M1O	04-012/23:03:53.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/22:53:45.3
20624	M1O	04-012/23:03:54.3		Deletes the designated file.: d:/dat/254_doy012_pass03_file18.dat	FILE_DELETE	04-012/22:53:46.3
20625	M1O	04-012/23:03:55.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy012_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-012/22:53:47.4
20626	M1O	04-012/23:03:56.4		Deletes the designated file.: d:/dat/254_doy012_pass03_file19.dat	FILE_DELETE	04-012/22:53:48.4
20627	M1O	04-012/23:03:57.4		CALL, Engine = , Parameters = 254	get_apid	04-012/22:53:49.4
20628	M1O	04-012/23:03:58.5		CALL, Engine = , Parameters = 254	get_rcv_mode	04-012/22:53:50.5
20629	M1O	04-012/23:03:58.7		CALL, Engine = , Parameters = 254	get_dl_rate	04-012/22:53:50.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
20630	M1O	04-012/23:03:59.8		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-012/22:53:51.8
20631	M1O	04-012/23:04:01.1		CALL, Engine = , Parameters = 254	get_coding	04-012/22:53:53.1
20632	M1O	04-012/23:04:02.3		CALL, Engine = , Parameters = 254	get_xmt_mode	04-012/22:53:54.3
20633	M1O	04-012/23:04:03.5		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-012/22:53:55.5
20634	M1O	04-012/23:05:08.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-012/22:55:00.3
20635	M1O	04-012/23:05:09.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-012/22:55:01.3
20636	M1O	04-012/23:05:10.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-012/22:55:02.3
20637	M1O	04-012/23:05:11.3		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-012/22:55:03.3
20638	M1O	04-012/23:05:12.3		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-012/22:55:04.3
20639	M1O	04-012/23:05:13.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-012/22:55:05.3
20640	M1O	04-012/23:05:14.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-012/22:55:06.3
20641	M1O	04-012/23:10:04.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-012/22:59:56.3
20642	M1O	04-012/23:10:14.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-012/23:00:06.3
20643	M1O	04-012/23:19:56.6		NOTE: Enter Solar Eclipse 9225		04-012/23:09:48.5
20644	M1O	04-012/23:20:02.0	63	NOTE: Below Uplink Interlock Limit		
20645	M1O	04-012/23:21:16.3		NOTE: Ascending Node Crossing 9225		04-012/23:11:08.2
20646	M1O	04-012/23:22:26.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-012/23:12:18.3
20647	M1O	04-012/23:22:27.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-012/23:12:19.4
20648	M1O	04-012/23:22:37.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-012/23:12:29.4
20649	M1O	04-012/23:22:38.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-012/23:12:30.4
20650	M1O	04-012/23:22:39.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-012/23:12:31.4
20651	M1O	04-012/23:22:40.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-012/23:12:32.4
20652	M1O	04-012/23:25:16.1		GV: GV_DESAT_ACTIVE = 1		04-012/23:15:08.0
20653	M1O	04-012/23:25:17.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-012/23:15:09.0
20654	M1O	04-012/23:25:17.1		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-012/23:15:09.0
20655	M1O	04-012/23:35:00.0	63	End Tracking		
20656	M1O	04-012/23:35:16.1		GV: GV_DESAT_ACTIVE = 0		04-012/23:25:08.0
20657	M1O	04-012/23:35:17.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-012/23:25:09.0
20658	M1O	04-012/23:35:18.1		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-012/23:25:10.0
20659	M1O	04-012/23:35:19.1		CALL, Engine = , Parameters =	unpark_hga	04-012/23:25:11.0
20660	M1O	04-012/23:35:19.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-012/23:25:11.0
20661	M1O	04-012/23:35:20.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-012/23:25:12.0
20662	M1O	04-012/23:39:16.5		NOTE: Exit Solar Eclipse 9225		04-012/23:29:08.3
20663	M1O	04-012/23:39:50.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-012/23:29:42.0
20664	M1O	04-012/23:39:51.1		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-012/23:29:43.0
20665	M1O	04-012/23:43:51.1		NOTE: EXIT HGA PARK		
20666	M1O	04-012/23:44:00.1		NOTE: ENTER HGA KEEP OUT ZONE		
20667	M1O	04-012/23:50:00.0	63	End Post-Cal		
20668	M1O	04-012/23:50:21.7		NOTE: Enter Planetary Atmosphere 9225		04-012/23:40:13.5
20669	M1O	04-012/23:51:16.1		NOTE: North Pole Crossing 9225		04-012/23:41:07.9
20670	M1O	04-012/23:52:09.0		NOTE: Apoapsis 9225 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
20672	M1O	04-012/23:58:20.2		NOTE: EXIT HGA KEEP OUT ZONE		
20673	M1O	04-013/00:00:00.0		Light Time: OWLT = 10:08, RTLT = 20:16		
20674	M1O	04-013/00:00:00.0	14	Begin Pre-Cal		
20675	M1O	04-013/00:00:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
20676	M1O	04-013/00:00:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
20677	M1O	04-013/00:00:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
20678	M1O	04-013/00:00:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
20679	M1O	04-013/00:00:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
20680	M1O	04-013/00:00:00.0	14	Config: RCV: Parms:		
20681	M1O	04-013/00:00:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
20682	M1O	04-013/00:00:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
20683	M1O	04-013/00:00:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
20684	M1O	04-013/00:06:37.1		NOTE: Exit Earth Occultation 9225		04-012/23:56:28.8
20685	M1O	04-013/00:08:38.3		NOTE: Exit Planetary Atmosphere 9225		04-012/23:58:30.0
20686	M1O	04-013/00:21:17.5		NOTE: Descending Node Crossing 9226		04-013/00:11:09.2
20687	M1O	04-013/00:50:36.0		NOTE: South Pole Crossing 9226		04-013/00:40:27.6
20688	M1O	04-013/00:51:08.3		NOTE: Periapsis 9226 ----------		04-013/00:40:59.9
20689	M1O	04-013/01:01:01.4		SPAWN, Engine = 65535, Parameters = 013, 01, FALSE, 00:16:25.879, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-013/00:50:53.0
20690	M1O	04-013/01:01:02.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-013/00:50:54.1
20691	M1O	04-013/01:01:04.5		CALL, Engine = , Parameters = 254	get_cmd_opt	04-013/00:50:56.1
20692	M1O	04-013/01:01:46.7		CALL, Engine = , Parameters = 254	get_apid	04-013/00:51:38.3
20693	M1O	04-013/01:01:47.8		CALL, Engine = , Parameters = 254	get_rcv_mode	04-013/00:51:39.4
20694	M1O	04-013/01:01:48.0		CALL, Engine = , Parameters = 254	get_dl_rate	04-013/00:51:39.6
20695	M1O	04-013/01:01:49.1		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-013/00:51:40.7
20696	M1O	04-013/01:01:50.4		CALL, Engine = , Parameters = 254	get_coding	04-013/00:51:42.0
20697	M1O	04-013/01:01:51.6		CALL, Engine = , Parameters = 254	get_xmt_mode	04-013/00:51:43.2
20698	M1O	04-013/01:01:52.8		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-013/00:51:44.4
20699	M1O	04-013/01:02:57.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-013/00:52:49.2
20700	M1O	04-013/01:02:58.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-013/00:52:50.2
20701	M1O	04-013/01:02:59.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-013/00:52:51.2
20702	M1O	04-013/01:03:00.6		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-013/00:52:52.2
20703	M1O	04-013/01:03:01.6		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-013/00:52:53.2
20704	M1O	04-013/01:03:02.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-013/00:52:54.2
20705	M1O	04-013/01:03:03.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-013/00:52:55.2
20706	M1O	04-013/01:14:35.2		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-013/01:04:26.7
20707	M1O	04-013/01:14:35.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/01:04:26.8
20708	M1O	04-013/01:14:36.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-013/01:04:27.8
20709	M1O	04-013/01:14:37.3		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-013/01:04:28.8
20710	M1O	04-013/01:14:38.3		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-013/01:04:29.8
20711	M1O	04-013/01:14:39.3		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-013/01:04:30.8
20712	M1O	04-013/01:14:49.3		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-013/01:04:40.8
20713	M1O	04-013/01:14:59.3		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-013/01:04:50.8
20714	M1O	04-013/01:15:00.0	14	Begin Tracking		
20715	M1O	04-013/01:15:00.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20716	M1O	04-013/01:18:32.7		NOTE: Enter Solar Eclipse 9226		04-013/01:08:24.3
20717	M1O	04-013/01:19:25.5		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK,	UHF_XMIT_MODE	04-013/01:09:17.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT, DISABLE		
20718	M1O	04-013/01:19:26.6		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-013/01:09:18.1
20719	M1O	04-013/01:19:36.6		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-013/01:09:28.1
20720	M1O	04-013/01:19:37.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-013/01:09:29.1
20721	M1O	04-013/01:19:53.0		NOTE: Ascending Node Crossing 9226		04-013/01:09:44.5
20722	M1O	04-013/01:19:59.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-013/01:09:50.8
20723	M1O	04-013/01:20:00.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-013/01:09:51.8
20724	M1O	04-013/01:20:00.3	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20725	M1O	04-013/01:20:01.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-013/01:09:52.8
20726	M1O	04-013/01:37:52.0		NOTE: Exit Solar Eclipse 9226		04-013/01:27:43.4
20727	M1O	04-013/01:41:35.5		SPAWN, Engine = 65535, Parameters = 3, 00:28:36.442, 1	dpt	04-013/01:31:27.0
20728	M1O	04-013/01:41:37.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/01:31:29.1
20729	M1O	04-013/01:41:37.6	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20730	M1O	04-013/01:41:38.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-013/01:31:30.1
20731	M1O	04-013/01:42:37.5		NOTE: ENTER HGA KEEP OUT ZONE		
20732	M1O	04-013/01:42:37.5	14	NOTE: Loss Of X-Band Signal		
20733	M1O	04-013/01:48:58.4		NOTE: Enter Planetary Atmosphere 9226		04-013/01:38:49.8
20734	M1O	04-013/01:49:52.8		NOTE: North Pole Crossing 9226		04-013/01:39:44.2
20735	M1O	04-013/01:50:32.6		NOTE: Apoapsis 9226 -		04-013/01:40:24.0
20736	M1O	04-013/01:50:58.2		NOTE: Enter Earth Occultation 9226		04-013/01:40:49.6
20737	M1O	04-013/01:56:57.5		NOTE: EXIT HGA KEEP OUT ZONE		
20738	M1O	04-013/02:05:14.0		NOTE: Exit Earth Occultation 9226		04-013/01:55:05.4
20739	M1O	04-013/02:05:14.0	14	Acquisition Of X-Band Signal		
20740	M1O	04-013/02:05:14.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20741	M1O	04-013/02:07:15.2		NOTE: Exit Planetary Atmosphere 9226		04-013/01:57:06.5
20742	M1O	04-013/02:10:14.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-013/02:00:05.5
20743	M1O	04-013/02:10:14.1	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20744	M1O	04-013/02:10:15.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-013/02:00:06.5
20745	M1O	04-013/02:19:54.0		NOTE: Descending Node Crossing 9227		04-013/02:09:45.3
20746	M1O	04-013/02:49:12.6		NOTE: South Pole Crossing 9227		04-013/02:39:03.8
20747	M1O	04-013/02:49:40.1		NOTE: Periapsis 9227 ----------		04-013/02:39:31.3
20748	M1O	04-013/03:17:09.5		NOTE: Enter Solar Eclipse 9227		04-013/03:07:00.7
20749	M1O	04-013/03:18:29.6		NOTE: Ascending Node Crossing 9227		04-013/03:08:20.7
20750	M1O	04-013/03:36:30.6		NOTE: Exit Solar Eclipse 9227		04-013/03:26:21.7
20751	M1O	04-013/03:40:11.9		SPAWN, Engine = 65535, Parameters = 3, 00:28:40.172, 1	dpt	04-013/03:30:03.0
20752	M1O	04-013/03:40:14.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/03:30:05.1
20753	M1O	04-013/03:40:14.0	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20754	M1O	04-013/03:40:15.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-013/03:30:06.1
20755	M1O	04-013/03:41:13.9		NOTE: ENTER HGA KEEP OUT ZONE		
20756	M1O	04-013/03:41:13.9	14	NOTE: Loss Of X-Band Signal		
20757	M1O	04-013/03:47:28.5		NOTE: Enter Planetary Atmosphere 9227		04-013/03:37:19.6
20758	M1O	04-013/03:48:28.4		NOTE: North Pole Crossing 9227		04-013/03:38:19.4
20759	M1O	04-013/03:48:54.5		NOTE: Apoapsis 9227 -		04-013/03:38:45.5
20760	M1O	04-013/03:49:27.1		NOTE: Enter Earth Occultation 9227		04-013/03:39:18.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
20761	M1O	04-013/03:55:33.9		NOTE: EXIT HGA KEEP OUT ZONE		
20762	M1O	04-013/04:03:54.1		NOTE: Exit Earth Occultation 9227		04-013/03:53:45.1
20763	M1O	04-013/04:03:54.1	14	Acquisition Of X-Band Signal		
20764	M1O	04-013/04:03:54.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20765	M1O	04-013/04:05:54.0		NOTE: Exit Planetary Atmosphere 9227		04-013/03:55:45.0
20766	M1O	04-013/04:08:54.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-013/03:58:45.2
20767	M1O	04-013/04:08:54.2	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20768	M1O	04-013/04:08:55.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-013/03:58:46.2
20769	M1O	04-013/04:18:28.3		NOTE: Descending Node Crossing 9228		04-013/04:08:19.3
20770	M1O	04-013/04:47:46.8		NOTE: South Pole Crossing 9228		04-013/04:37:37.7
20771	M1O	04-013/04:48:15.1		NOTE: Periapsis 9228 ----------		04-013/04:38:05.9
20772	M1O	04-013/05:00:00.0	43	Begin Pre-Cal		
20773	M1O	04-013/05:00:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
20774	M1O	04-013/05:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
20775	M1O	04-013/05:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
20776	M1O	04-013/05:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
20777	M1O	04-013/05:00:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
20778	M1O	04-013/05:00:00.0	43	Config: RCV: Parms:		
20779	M1O	04-013/05:00:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
20780	M1O	04-013/05:00:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
20781	M1O	04-013/05:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
20782	M1O	04-013/05:03:07.1		SPAWN, Engine = 65535, Parameters = 013, 01, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-013/04:52:58.0
20783	M1O	04-013/05:03:07.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/04:52:58.5
20784	M1O	04-013/05:03:07.6	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20785	M1O	04-013/05:03:08.2		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-013/04:52:59.1
20786	M1O	04-013/05:03:10.2		CALL, Engine = , Parameters = 56	get_cmd_opt	04-013/04:53:01.1
20787	M1O	04-013/05:03:10.5		CALL, Engine = , Parameters = 013, 01, 056	bld_autosw	04-013/04:53:01.4
20788	M1O	04-013/05:03:11.6		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-013/04:53:02.5
20789	M1O	04-013/05:03:12.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass01_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/04:53:03.6
20790	M1O	04-013/05:03:13.7		Deletes the designated file.: d:/dat/056_doy013_pass01_file01.dat	FILE_DELETE	04-013/04:53:04.6
20791	M1O	04-013/05:03:14.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/04:53:05.7
20792	M1O	04-013/05:03:15.8		Deletes the designated file.: d:/dat/056_doy013_pass01_file02.dat	FILE_DELETE	04-013/04:53:06.7
20793	M1O	04-013/05:03:16.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/04:53:07.8
20794	M1O	04-013/05:03:17.9		Deletes the designated file.: d:/dat/056_doy013_pass01_file03.dat	FILE_DELETE	04-013/04:53:08.8
20795	M1O	04-013/05:03:19.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/04:53:09.9
20796	M1O	04-013/05:03:20.0		Deletes the designated file.: d:/dat/056_doy013_pass01_file04.dat	FILE_DELETE	04-013/04:53:10.9
20797	M1O	04-013/05:03:21.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/04:53:12.0
20798	M1O	04-013/05:03:22.1		Deletes the designated file.: d:/dat/056_doy013_pass01_file05.dat	FILE_DELETE	04-013/04:53:13.0
20799	M1O	04-013/05:03:23.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/04:53:14.1
20800	M1O	04-013/05:03:24.2		Deletes the designated file.: d:/dat/056_doy013_pass01_file06.dat	FILE_DELETE	04-013/04:53:15.1
20801	M1O	04-013/05:03:25.3		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-013/04:53:16.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy013_pass01_file07.dat, d:/dat/autoswitch.dat		
20802	M1O	04-013/05:03:26.3		Deletes the designated file.: d:/dat/056_doy013_pass01_file07.dat	FILE_DELETE	04-013/04:53:17.2
20803	M1O	04-013/05:03:27.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/04:53:18.3
20804	M1O	04-013/05:03:28.4		Deletes the designated file.: d:/dat/056_doy013_pass01_file08.dat	FILE_DELETE	04-013/04:53:19.3
20805	M1O	04-013/05:03:29.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/04:53:20.4
20806	M1O	04-013/05:03:30.5		Deletes the designated file.: d:/dat/056_doy013_pass01_file09.dat	FILE_DELETE	04-013/04:53:21.4
20807	M1O	04-013/05:03:31.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/04:53:22.5
20808	M1O	04-013/05:03:32.6		Deletes the designated file.: d:/dat/056_doy013_pass01_file10.dat	FILE_DELETE	04-013/04:53:23.5
20809	M1O	04-013/05:03:33.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/04:53:24.6
20810	M1O	04-013/05:03:34.7		Deletes the designated file.: d:/dat/056_doy013_pass01_file11.dat	FILE_DELETE	04-013/04:53:25.6
20811	M1O	04-013/05:03:35.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/04:53:26.7
20812	M1O	04-013/05:03:36.8		Deletes the designated file.: d:/dat/056_doy013_pass01_file12.dat	FILE_DELETE	04-013/04:53:27.7
20813	M1O	04-013/05:03:37.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/04:53:28.8
20814	M1O	04-013/05:03:38.9		Deletes the designated file.: d:/dat/056_doy013_pass01_file13.dat	FILE_DELETE	04-013/04:53:29.8
20815	M1O	04-013/05:03:40.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/04:53:30.9
20816	M1O	04-013/05:03:41.0		Deletes the designated file.: d:/dat/056_doy013_pass01_file14.dat	FILE_DELETE	04-013/04:53:31.9
20817	M1O	04-013/05:03:42.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/04:53:33.0
20818	M1O	04-013/05:03:43.1		Deletes the designated file.: d:/dat/056_doy013_pass01_file15.dat	FILE_DELETE	04-013/04:53:34.0
20819	M1O	04-013/05:03:44.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/04:53:35.1
20820	M1O	04-013/05:03:45.2		Deletes the designated file.: d:/dat/056_doy013_pass01_file16.dat	FILE_DELETE	04-013/04:53:36.1
20821	M1O	04-013/05:03:46.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/04:53:37.2
20822	M1O	04-013/05:03:47.3		Deletes the designated file.: d:/dat/056_doy013_pass01_file17.dat	FILE_DELETE	04-013/04:53:38.2
20823	M1O	04-013/05:03:48.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/04:53:39.3
20824	M1O	04-013/05:03:49.4		Deletes the designated file.: d:/dat/056_doy013_pass01_file18.dat	FILE_DELETE	04-013/04:53:40.3
20825	M1O	04-013/05:03:50.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass01_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/04:53:41.4
20826	M1O	04-013/05:03:51.5		Deletes the designated file.: d:/dat/056_doy013_pass01_file19.dat	FILE_DELETE	04-013/04:53:42.4
20827	M1O	04-013/05:03:52.5		CALL, Engine = , Parameters = 56	get_apid	04-013/04:53:43.4
20828	M1O	04-013/05:03:53.6		CALL, Engine = , Parameters = 56	get_rcv_mode	04-013/04:53:44.5
20829	M1O	04-013/05:03:53.8		CALL, Engine = , Parameters = 56	get_dl_rate	04-013/04:53:44.7
20830	M1O	04-013/05:03:54.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-013/04:53:45.8
20831	M1O	04-013/05:03:56.1		CALL, Engine = , Parameters = 56	get_coding	04-013/04:53:47.0
20832	M1O	04-013/05:03:57.3		CALL, Engine = , Parameters = 56	get_xmt_mode	04-013/04:53:48.2
20833	M1O	04-013/05:03:58.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-013/04:53:49.4
20834	M1O	04-013/05:05:03.3		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-013/04:54:54.2
20835	M1O	04-013/05:05:04.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-013/04:54:55.2
20836	M1O	04-013/05:05:05.3		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-013/04:54:56.2
20837	M1O	04-013/05:05:06.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-013/04:54:57.2
20838	M1O	04-013/05:05:07.3		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-013/04:54:58.2
20839	M1O	04-013/05:05:08.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-013/04:54:59.2
20840	M1O	04-013/05:05:09.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-013/04:55:00.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
20841	M1O	04-013/05:06:59.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/04:56:50.2
20842	M1O	04-013/05:07:09.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-013/04:57:00.2
20843	M1O	04-013/05:15:43.2		NOTE: Enter Solar Eclipse 9228		04-013/05:05:34.0
20844	M1O	04-013/05:17:03.8		NOTE: Ascending Node Crossing 9228		04-013/05:06:54.6
20845	M1O	04-013/05:35:07.9		NOTE: Exit Solar Eclipse 9228		04-013/05:24:58.6
20846	M1O	04-013/05:37:07.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-013/05:26:58.2
20847	M1O	04-013/05:37:08.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-013/05:26:59.3
20848	M1O	04-013/05:37:18.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-013/05:27:09.3
20849	M1O	04-013/05:37:19.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-013/05:27:10.3
20850	M1O	04-013/05:37:20.5		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-013/05:27:11.3
20851	M1O	04-013/05:37:20.5	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20852	M1O	04-013/05:37:21.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-013/05:27:12.3
20853	M1O	04-013/05:38:46.2		SPAWN, Engine = 65535, Parameters = 3, 00:28:41.040, 1	dpt	04-013/05:28:37.0
20854	M1O	04-013/05:38:48.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/05:28:39.1
20855	M1O	04-013/05:38:49.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-013/05:28:40.1
20856	M1O	04-013/05:39:48.2		NOTE: ENTER HGA KEEP OUT ZONE		
20857	M1O	04-013/05:39:48.2	14	NOTE: Loss Of X-Band Signal		
20858	M1O	04-013/05:45:55.9		NOTE: Enter Planetary Atmosphere 9228		04-013/05:35:46.6
20859	M1O	04-013/05:47:01.5		NOTE: North Pole Crossing 9228		04-013/05:36:52.2
20860	M1O	04-013/05:47:35.9		NOTE: Apoapsis 9228 -		04-013/05:37:26.6
20861	M1O	04-013/05:47:53.5		NOTE: Enter Earth Occultation 9228		04-013/05:37:44.1
20862	M1O	04-013/05:54:08.3		NOTE: EXIT HGA KEEP OUT ZONE		
20863	M1O	04-013/06:02:30.5		NOTE: Exit Earth Occultation 9228		04-013/05:52:21.1
20864	M1O	04-013/06:02:30.5	14	Acquisition Of X-Band Signal		
20865	M1O	04-013/06:02:30.5	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20866	M1O	04-013/06:04:29.2		NOTE: Exit Planetary Atmosphere 9228		04-013/05:54:19.9
20867	M1O	04-013/06:07:29.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-013/05:57:20.1
20868	M1O	04-013/06:07:29.5	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20869	M1O	04-013/06:07:30.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-013/05:57:21.1
20870	M1O	04-013/06:17:00.5		NOTE: Descending Node Crossing 9229		04-013/06:06:51.1
20871	M1O	04-013/06:45:00.0	43	Begin Tracking		
20872	M1O	04-013/06:45:00.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20873	M1O	04-013/06:46:18.2		NOTE: South Pole Crossing 9229		04-013/06:36:08.7
20874	M1O	04-013/06:46:45.7		NOTE: Periapsis 9229 ----------		04-013/06:36:36.2
20875	M1O	04-013/06:49:58.0	14	NOTE: Below Uplink Interlock Limit		
20876	M1O	04-013/06:50:00.0	14	End Tracking		
20877	M1O	04-013/07:05:00.0	14	End Post-Cal		
20878	M1O	04-013/07:10:09.5		SPAWN, Engine = 65535, Parameters =	scdiag	04-013/07:00:00.0
20879	M1O	04-013/07:10:10.6		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-013/07:00:01.1
20880	M1O	04-013/07:10:11.6		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-013/07:00:02.1
20881	M1O	04-013/07:10:12.5		SPAWN, Engine = 65535, Parameters = 013, 02, FALSE, 00:13:13.752, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-013/07:00:03.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
20882	M1O	04-013/07:10:13.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-013/07:00:04.1
20883	M1O	04-013/07:10:15.6		CALL, Engine = , Parameters = 56	get_cmd_opt	04-013/07:00:06.1
20884	M1O	04-013/07:10:57.8		CALL, Engine = , Parameters = 56	get_apid	04-013/07:00:48.3
20885	M1O	04-013/07:10:58.9		CALL, Engine = , Parameters = 56	get_rcv_mode	04-013/07:00:49.4
20886	M1O	04-013/07:10:59.1		CALL, Engine = , Parameters = 56	get_dl_rate	04-013/07:00:49.6
20887	M1O	04-013/07:11:00.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-013/07:00:50.7
20888	M1O	04-013/07:11:01.4		CALL, Engine = , Parameters = 56	get_coding	04-013/07:00:51.9
20889	M1O	04-013/07:11:02.6		CALL, Engine = , Parameters = 56	get_xmt_mode	04-013/07:00:53.1
20890	M1O	04-013/07:11:03.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-013/07:00:54.3
20891	M1O	04-013/07:11:12.5		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-013/07:01:03.0
20892	M1O	04-013/07:11:12.7		NOTE: Start Block fsw_diag		04-013/07:01:03.2
20893	M1O	04-013/07:11:13.7		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-013/07:01:04.2
20894	M1O	04-013/07:11:14.7		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	04-013/07:01:05.2
20895	M1O	04-013/07:11:25.7		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	04-013/07:01:16.2
20896	M1O	04-013/07:11:55.7		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-013/07:01:46.2
20897	M1O	04-013/07:12:08.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-013/07:01:59.1
20898	M1O	04-013/07:12:09.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-013/07:02:00.1
20899	M1O	04-013/07:12:10.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-013/07:02:01.1
20900	M1O	04-013/07:12:11.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-013/07:02:02.1
20901	M1O	04-013/07:12:12.6		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-013/07:02:03.1
20902	M1O	04-013/07:12:13.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-013/07:02:04.1
20903	M1O	04-013/07:12:14.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-013/07:02:05.1
20904	M1O	04-013/07:12:15.7		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-013/07:02:06.2
20905	M1O	04-013/07:12:25.7		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-013/07:02:16.2
20906	M1O	04-013/07:12:45.7		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-013/07:02:36.2
20907	M1O	04-013/07:12:55.7		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-013/07:02:46.2
20908	M1O	04-013/07:13:00.7		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-013/07:02:51.2
20909	M1O	04-013/07:13:05.7		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-013/07:02:56.2
20910	M1O	04-013/07:13:10.7		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-013/07:03:01.2
20911	M1O	04-013/07:13:15.7		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-013/07:03:06.2
20912	M1O	04-013/07:13:20.7		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-013/07:03:11.2
20913	M1O	04-013/07:14:00.7		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-013/07:03:51.2
20914	M1O	04-013/07:14:05.7		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-013/07:03:56.2
20915	M1O	04-013/07:14:10.7		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-013/07:04:01.2
20916	M1O	04-013/07:14:13.6		NOTE: Enter Solar Eclipse 9229		04-013/07:04:04.0
20917	M1O	04-013/07:14:15.7		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-013/07:04:06.2
20918	M1O	04-013/07:14:20.7		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-013/07:04:11.2
20919	M1O	04-013/07:14:21.7		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-013/07:04:12.2
20920	M1O	04-013/07:14:22.7		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-013/07:04:13.2
20921	M1O	04-013/07:14:23.7		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-013/07:04:14.2
20922	M1O	04-013/07:14:34.7		NOTE: End Block fsw_diag.mod		04-013/07:04:25.2
20923	M1O	04-013/07:15:34.6		NOTE: Ascending Node Crossing 9229		04-013/07:05:25.0
20924	M1O	04-013/07:25:24.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-013/07:15:14.8
20925	M1O	04-013/07:25:25.5		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-013/07:15:15.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
20926	M1O	04-013/07:25:35.5		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-013/07:15:25.9
20927	M1O	04-013/07:25:36.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-013/07:15:26.9
20928	M1O	04-013/07:33:38.4		NOTE: Exit Solar Eclipse 9229		04-013/07:23:28.8
20929	M1O	04-013/07:37:18.6		SPAWN, Engine = 65535, Parameters = 3, 00:28:40.082, 1	dpt	04-013/07:27:09.0
20930	M1O	04-013/07:37:20.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/07:27:11.1
20931	M1O	04-013/07:37:20.7	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20932	M1O	04-013/07:37:21.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-013/07:27:12.1
20933	M1O	04-013/07:38:20.6		NOTE: ENTER HGA KEEP OUT ZONE		
20934	M1O	04-013/07:38:20.6	43	NOTE: Loss Of X-Band Signal		
20935	M1O	04-013/07:44:27.0		NOTE: Enter Planetary Atmosphere 9229		04-013/07:34:17.4
20936	M1O	04-013/07:45:32.6		NOTE: North Pole Crossing 9229		04-013/07:35:23.0
20937	M1O	04-013/07:46:06.8		NOTE: Apoapsis 9229 -		04-013/07:35:57.1
20938	M1O	04-013/07:46:24.7		NOTE: Enter Earth Occultation 9229		04-013/07:36:15.0
20939	M1O	04-013/07:52:40.7		NOTE: EXIT HGA KEEP OUT ZONE		
20940	M1O	04-013/08:01:00.8		NOTE: Exit Earth Occultation 9229		04-013/07:50:51.0
20941	M1O	04-013/08:01:00.8	43	Acquisition Of X-Band Signal		
20942	M1O	04-013/08:01:00.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20943	M1O	04-013/08:02:59.7		NOTE: Exit Planetary Atmosphere 9229		04-013/07:52:50.0
20944	M1O	04-013/08:06:00.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-013/07:55:51.1
20945	M1O	04-013/08:06:00.9	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20946	M1O	04-013/08:06:01.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-013/07:55:52.1
20947	M1O	04-013/08:15:31.8		NOTE: Descending Node Crossing 9230		04-013/08:05:22.0
20948	M1O	04-013/08:44:49.1		NOTE: South Pole Crossing 9230		04-013/08:34:39.2
20949	M1O	04-013/08:44:58.5		NOTE: Periapsis 9230 ----------		04-013/08:34:48.6
20950	M1O	04-013/09:12:46.7		NOTE: Enter Solar Eclipse 9230		04-013/09:02:36.7
20951	M1O	04-013/09:14:05.9		NOTE: Ascending Node Crossing 9230		04-013/09:03:55.9
20952	M1O	04-013/09:32:04.2		NOTE: Exit Solar Eclipse 9230		04-013/09:21:54.2
20953	M1O	04-013/09:35:50.0		SPAWN, Engine = 65535, Parameters = 3, 00:28:34.702, 1	dpt	04-013/09:25:40.0
20954	M1O	04-013/09:35:52.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/09:25:42.1
20955	M1O	04-013/09:35:52.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20956	M1O	04-013/09:35:53.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-013/09:25:43.1
20957	M1O	04-013/09:36:52.0		NOTE: ENTER HGA KEEP OUT ZONE		
20958	M1O	04-013/09:36:52.0	43	NOTE: Loss Of X-Band Signal		
20959	M1O	04-013/09:43:06.8		NOTE: Enter Planetary Atmosphere 9230		04-013/09:32:56.8
20960	M1O	04-013/09:44:05.1		NOTE: North Pole Crossing 9230		04-013/09:33:55.0
20961	M1O	04-013/09:44:21.3		NOTE: Apoapsis 9230 -		04-013/09:34:11.2
20962	M1O	04-013/09:45:06.2		NOTE: Enter Earth Occultation 9230		04-013/09:34:56.1
20963	M1O	04-013/09:51:12.0		NOTE: EXIT HGA KEEP OUT ZONE		
20964	M1O	04-013/09:59:26.8		NOTE: Exit Earth Occultation 9230		04-013/09:49:16.7
20965	M1O	04-013/09:59:26.8	43	Acquisition Of X-Band Signal		
20966	M1O	04-013/09:59:26.8	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20967	M1O	04-013/10:00:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
20968	M1O	04-013/10:01:27.5		NOTE: Exit Planetary Atmosphere 9230		04-013/09:51:17.4
20969	M1O	04-013/10:04:26.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-013/09:54:16.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
20970	M1O	04-013/10:04:26.9	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20971	M1O	04-013/10:04:27.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-013/09:54:17.8
20972	M1O	04-013/10:05:00.0	43	Range Modulation On: SUP=3.0dB		
20973	M1O	04-013/10:06:00.0	43	Begin Ranging Acquisition		
20974	M1O	04-013/10:14:05.1		NOTE: Descending Node Crossing 9231		04-013/10:03:55.0
20975	M1O	04-013/10:19:17.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-013/10:09:07.2
20976	M1O	04-013/10:19:19.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/10:09:09.3
20977	M1O	04-013/10:19:19.5	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20978	M1O	04-013/10:19:20.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-013/10:09:10.3
20979	M1O	04-013/10:20:20.2	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20980	M1O	04-013/10:25:19.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-013/10:15:09.3
20981	M1O	04-013/10:25:19.5	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20982	M1O	04-013/10:25:20.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-013/10:15:10.3
20983	M1O	04-013/10:43:23.6		NOTE: South Pole Crossing 9231		04-013/10:33:13.3
20984	M1O	04-013/10:43:30.5		NOTE: Periapsis 9231 ----------		04-013/10:33:20.3
20985	M1O	04-013/11:00:04.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
20986	M1O	04-013/11:10:04.0	43	Range Modulation Off		
20987	M1O	04-013/11:11:23.9		NOTE: Enter Solar Eclipse 9231		04-013/11:01:13.6
20988	M1O	04-013/11:12:41.5		NOTE: Ascending Node Crossing 9231		04-013/11:02:31.2
20989	M1O	04-013/11:15:04.0	43	X-Band Transmitter Off		
20990	M1O	04-013/11:30:36.1		NOTE: Exit Solar Eclipse 9231		04-013/11:20:25.7
20991	M1O	04-013/11:34:21.6		SPAWN, Engine = 65535, Parameters = 3, 00:29:05, 1	dpt	04-013/11:24:11.2
20992	M1O	04-013/11:34:23.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/11:24:13.3
20993	M1O	04-013/11:34:23.7	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20994	M1O	04-013/11:34:24.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-013/11:24:14.3
20995	M1O	04-013/11:35:24.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
20996	M1O	04-013/11:35:25.4		NOTE: ENTER HGA KEEP OUT ZONE		
20997	M1O	04-013/11:35:25.4	43	NOTE: Loss Of X-Band Signal		
20998	M1O	04-013/11:38:09.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
20999	M1O	04-013/11:41:46.7		NOTE: Enter Planetary Atmosphere 9231		04-013/11:31:36.2
21000	M1O	04-013/11:42:40.7		NOTE: North Pole Crossing 9231		04-013/11:32:30.2
21001	M1O	04-013/11:43:03.2		NOTE: Apoapsis 9231 -		04-013/11:32:52.8
21002	M1O	04-013/11:43:09.0	43	Range Modulation On: SUP=3.0dB		
21003	M1O	04-013/11:43:47.2		NOTE: Enter Earth Occultation 9231		04-013/11:33:36.8
21004	M1O	04-013/11:44:09.0	43	Begin Ranging Acquisition		
21005	M1O	04-013/11:49:45.4		NOTE: EXIT HGA KEEP OUT ZONE		
21006	M1O	04-013/11:57:57.3		NOTE: Exit Earth Occultation 9231		04-013/11:47:46.8
21007	M1O	04-013/11:57:57.3	43	Acquisition Of X-Band Signal		
21008	M1O	04-013/11:57:57.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21009	M1O	04-013/11:58:29.8	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21010	M1O	04-013/11:59:38.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
21011	M1O	04-013/11:59:59.1		NOTE: Exit Planetary Atmosphere 9231		04-013/11:49:48.6
21012	M1O	04-013/12:02:36.5		SPAWN, Engine = 65535, Parameters = 013, 02, TRUE, 00:19:16, 254, FALSE, 32_KPS,	uhf	04-013/11:52:26.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				00:05:00, 00:00:00		
21013	M1O	04-013/12:02:37.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-013/11:52:27.1
21014	M1O	04-013/12:02:39.6		CALL, Engine = , Parameters = 254	get_cmd_opt	04-013/11:52:29.1
21015	M1O	04-013/12:02:39.9		CALL, Engine = , Parameters = 013, 02, 254	bld_autosw	04-013/11:52:29.4
21016	M1O	04-013/12:02:41.0		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-013/11:52:30.5
21017	M1O	04-013/12:02:42.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy013_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/11:52:31.6
21018	M1O	04-013/12:02:43.1		Deletes the designated file.: d:/dat/254_doy013_pass02_file01.dat	FILE_DELETE	04-013/11:52:32.6
21019	M1O	04-013/12:02:44.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy013_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/11:52:33.7
21020	M1O	04-013/12:02:45.2		Deletes the designated file.: d:/dat/254_doy013_pass02_file02.dat	FILE_DELETE	04-013/11:52:34.7
21021	M1O	04-013/12:02:46.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy013_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/11:52:35.8
21022	M1O	04-013/12:02:47.3		Deletes the designated file.: d:/dat/254_doy013_pass02_file03.dat	FILE_DELETE	04-013/11:52:36.8
21023	M1O	04-013/12:02:48.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy013_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/11:52:37.9
21024	M1O	04-013/12:02:49.4		Deletes the designated file.: d:/dat/254_doy013_pass02_file04.dat	FILE_DELETE	04-013/11:52:38.9
21025	M1O	04-013/12:02:50.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy013_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/11:52:40.0
21026	M1O	04-013/12:02:51.5		Deletes the designated file.: d:/dat/254_doy013_pass02_file05.dat	FILE_DELETE	04-013/11:52:41.0
21027	M1O	04-013/12:02:52.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy013_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/11:52:42.1
21028	M1O	04-013/12:02:53.6		Deletes the designated file.: d:/dat/254_doy013_pass02_file06.dat	FILE_DELETE	04-013/11:52:43.1
21029	M1O	04-013/12:02:54.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy013_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/11:52:44.2
21030	M1O	04-013/12:02:55.7		Deletes the designated file.: d:/dat/254_doy013_pass02_file07.dat	FILE_DELETE	04-013/11:52:45.2
21031	M1O	04-013/12:02:56.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy013_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/11:52:46.3
21032	M1O	04-013/12:02:57.8		Deletes the designated file.: d:/dat/254_doy013_pass02_file08.dat	FILE_DELETE	04-013/11:52:47.3
21033	M1O	04-013/12:02:58.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy013_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/11:52:48.4
21034	M1O	04-013/12:02:59.9		Deletes the designated file.: d:/dat/254_doy013_pass02_file09.dat	FILE_DELETE	04-013/11:52:49.4
21035	M1O	04-013/12:03:01.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy013_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/11:52:50.5
21036	M1O	04-013/12:03:02.0		Deletes the designated file.: d:/dat/254_doy013_pass02_file10.dat	FILE_DELETE	04-013/11:52:51.5
21037	M1O	04-013/12:03:03.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy013_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/11:52:52.6
21038	M1O	04-013/12:03:04.1		Deletes the designated file.: d:/dat/254_doy013_pass02_file11.dat	FILE_DELETE	04-013/11:52:53.6
21039	M1O	04-013/12:03:05.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy013_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/11:52:54.7
21040	M1O	04-013/12:03:06.2		Deletes the designated file.: d:/dat/254_doy013_pass02_file12.dat	FILE_DELETE	04-013/11:52:55.7
21041	M1O	04-013/12:03:07.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy013_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/11:52:56.8
21042	M1O	04-013/12:03:08.3		Deletes the designated file.: d:/dat/254_doy013_pass02_file13.dat	FILE_DELETE	04-013/11:52:57.8
21043	M1O	04-013/12:03:09.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy013_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/11:52:58.9
21044	M1O	04-013/12:03:10.4		Deletes the designated file.: d:/dat/254_doy013_pass02_file14.dat	FILE_DELETE	04-013/11:52:59.9
21045	M1O	04-013/12:03:11.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy013_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/11:53:01.0
21046	M1O	04-013/12:03:12.5		Deletes the designated file.: d:/dat/254_doy013_pass02_file15.dat	FILE_DELETE	04-013/11:53:02.0
21047	M1O	04-013/12:03:13.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy013_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/11:53:03.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
21048	M1O	04-013/12:03:14.6		Deletes the designated file.: d:/dat/254_doy013_pass02_file16.dat	FILE_DELETE	04-013/11:53:04.1
21049	M1O	04-013/12:03:15.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy013_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/11:53:05.2
21050	M1O	04-013/12:03:16.7		Deletes the designated file.: d:/dat/254_doy013_pass02_file17.dat	FILE_DELETE	04-013/11:53:06.2
21051	M1O	04-013/12:03:17.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy013_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/11:53:07.3
21052	M1O	04-013/12:03:18.8		Deletes the designated file.: d:/dat/254_doy013_pass02_file18.dat	FILE_DELETE	04-013/11:53:08.3
21053	M1O	04-013/12:03:19.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy013_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/11:53:09.4
21054	M1O	04-013/12:03:20.9		Deletes the designated file.: d:/dat/254_doy013_pass02_file19.dat	FILE_DELETE	04-013/11:53:10.4
21055	M1O	04-013/12:03:21.9		CALL, Engine = , Parameters = 254	get_apid	04-013/11:53:11.4
21056	M1O	04-013/12:03:23.0		CALL, Engine = , Parameters = 254	get_rcv_mode	04-013/11:53:12.5
21057	M1O	04-013/12:03:23.2		CALL, Engine = , Parameters = 254	get_dl_rate	04-013/11:53:12.7
21058	M1O	04-013/12:03:24.3		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-013/11:53:13.8
21059	M1O	04-013/12:03:25.6		CALL, Engine = , Parameters = 254	get_coding	04-013/11:53:15.1
21060	M1O	04-013/12:03:26.8		CALL, Engine = , Parameters = 254	get_xmt_mode	04-013/11:53:16.3
21061	M1O	04-013/12:03:28.0		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-013/11:53:17.5
21062	M1O	04-013/12:03:28.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-013/11:53:18.3
21063	M1O	04-013/12:03:28.8	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21064	M1O	04-013/12:03:29.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/11:53:19.3
21065	M1O	04-013/12:03:29.8	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21066	M1O	04-013/12:03:29.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-013/11:53:19.3
21067	M1O	04-013/12:04:32.8		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-013/11:54:22.3
21068	M1O	04-013/12:04:33.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-013/11:54:23.3
21069	M1O	04-013/12:04:34.8		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-013/11:54:24.3
21070	M1O	04-013/12:04:35.8		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-013/11:54:25.3
21071	M1O	04-013/12:04:36.8		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-013/11:54:26.3
21072	M1O	04-013/12:04:37.8		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-013/11:54:27.3
21073	M1O	04-013/12:04:38.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-013/11:54:28.3
21074	M1O	04-013/12:09:28.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/11:59:18.3
21075	M1O	04-013/12:09:38.0	43	Range Modulation Off		
21076	M1O	04-013/12:09:38.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-013/11:59:28.3
21077	M1O	04-013/12:12:40.8		NOTE: Descending Node Crossing 9232		04-013/12:02:30.3
21078	M1O	04-013/12:14:38.0	43	X-Band Transmitter Off		
21079	M1O	04-013/12:14:38.8	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
21080	M1O	04-013/12:23:52.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-013/12:13:42.3
21081	M1O	04-013/12:23:53.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-013/12:13:43.4
21082	M1O	04-013/12:24:03.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-013/12:13:53.4
21083	M1O	04-013/12:24:04.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-013/12:13:54.4
21084	M1O	04-013/12:24:05.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-013/12:13:55.4
21085	M1O	04-013/12:24:05.9	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21086	M1O	04-013/12:24:06.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-013/12:13:56.4
21087	M1O	04-013/12:25:40.0	43	NOTE: Below Uplink Interlock Limit		
21088	M1O	04-013/12:26:48.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-013/12:16:38.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
21089	M1O	04-013/12:27:04.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-011T12:16:38.100, 2004-013T12:16:38.100	PCKTS_RE_TX_TIME	04-013/12:16:53.8
21090	M1O	04-013/12:27:05.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-011T12:16:38.100, 2004-013T12:16:38.100	PCKTS_RE_TX_TIME	04-013/12:16:54.8
21091	M1O	04-013/12:27:06.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-011T12:16:38.100, 2004-013T12:16:38.100	PCKTS_RE_TX_TIME	04-013/12:16:55.8
21092	M1O	04-013/12:27:07.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-011T12:16:38.100, 2004-013T12:16:38.100	PCKTS_RE_TX_TIME	04-013/12:16:56.8
21093	M1O	04-013/12:27:08.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-011T12:16:38.100, 2004-013T12:16:38.100	PCKTS_RE_TX_TIME	04-013/12:16:57.8
21094	M1O	04-013/12:27:09.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-011T12:16:38.100, 2004-013T12:16:38.100	PCKTS_RE_TX_TIME	04-013/12:16:58.8
21095	M1O	04-013/12:27:09.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-013/12:16:58.8
21096	M1O	04-013/12:27:09.3	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21097	M1O	04-013/12:27:10.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/12:16:59.8
21098	M1O	04-013/12:27:10.3	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21099	M1O	04-013/12:34:10.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/12:23:59.8
21100	M1O	04-013/12:34:11.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-013/12:24:00.8
21101	M1O	04-013/12:34:27.4		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-013/12:24:16.8
21102	M1O	04-013/12:34:27.4	43	D/L RF Warning: SC antenna change - expect signal level variation		
21103	M1O	04-013/12:34:28.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-013/12:24:17.8
21104	M1O	04-013/12:34:59.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21105	M1O	04-013/12:35:00.0	43	End Tracking		
21106	M1O	04-013/12:42:00.4		NOTE: South Pole Crossing 9232		04-013/12:31:49.8
21107	M1O	04-013/12:42:29.5		NOTE: Periapsis 9232 ----------		04-013/12:32:18.9
21108	M1O	04-013/12:50:00.0	43	End Post-Cal		
21109	M1O	04-013/13:10:00.1		NOTE: Enter Solar Eclipse 9232		04-013/12:59:49.4
21110	M1O	04-013/13:11:18.8		NOTE: Ascending Node Crossing 9232		04-013/13:01:08.0
21111	M1O	04-013/13:29:12.6		NOTE: Exit Solar Eclipse 9232		04-013/13:19:01.8
21112	M1O	04-013/13:34:20.7		NOTE: ENTER HGA KEEP OUT ZONE		
21113	M1O	04-013/13:35:00.0	63	Begin Pre-Cal		
21114	M1O	04-013/13:35:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
21115	M1O	04-013/13:35:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
21116	M1O	04-013/13:35:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
21117	M1O	04-013/13:35:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
21118	M1O	04-013/13:35:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
21119	M1O	04-013/13:35:00.0	63	Config: RCV: Parms:		
21120	M1O	04-013/13:35:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
21121	M1O	04-013/13:35:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
21122	M1O	04-013/13:35:00.0	63	Config: TXL		
21123	M1O	04-013/13:35:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
21124	M1O	04-013/13:35:00.0	63	Config: CMD		
21125	M1O	04-013/13:35:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
21126	M1O	04-013/13:40:23.8		NOTE: Enter Planetary Atmosphere 9232		04-013/13:30:13.0
21127	M1O	04-013/13:41:17.3		NOTE: North Pole Crossing 9232		04-013/13:31:06.5
21128	M1O	04-013/13:42:09.3		NOTE: Apoapsis 9232 -		04-013/13:31:58.4
21129	M1O	04-013/13:42:24.9		NOTE: Enter Earth Occultation 9232		04-013/13:32:14.1
21130	M1O	04-013/13:48:00.8		NOTE: EXIT HGA KEEP OUT ZONE		
21131	M1O	04-013/13:56:31.2		NOTE: Exit Earth Occultation 9232		04-013/13:46:20.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
21132	M1O	04-013/13:58:33.4		NOTE: Exit Planetary Atmosphere 9232		04-013/13:48:22.6
21133	M1O	04-013/14:07:02.8		SPAWN, Engine = 65535, Parameters = 013, 03, FALSE, 00:06:12.089, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-013/13:56:52.0
21134	M1O	04-013/14:07:03.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-013/13:56:53.1
21135	M1O	04-013/14:07:05.9		CALL, Engine = , Parameters = 254	get_cmd_opt	04-013/13:56:55.1
21136	M1O	04-013/14:07:48.1		CALL, Engine = , Parameters = 254	get_apid	04-013/13:57:37.3
21137	M1O	04-013/14:07:49.2		CALL, Engine = , Parameters = 254	get_rcv_mode	04-013/13:57:38.4
21138	M1O	04-013/14:07:49.4		CALL, Engine = , Parameters = 254	get_dl_rate	04-013/13:57:38.6
21139	M1O	04-013/14:07:50.5		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-013/13:57:39.7
21140	M1O	04-013/14:07:51.8		CALL, Engine = , Parameters = 254	get_coding	04-013/13:57:41.0
21141	M1O	04-013/14:07:53.0		CALL, Engine = , Parameters = 254	get_xmt_mode	04-013/13:57:42.2
21142	M1O	04-013/14:07:54.2		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-013/13:57:43.4
21143	M1O	04-013/14:08:59.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-013/13:58:48.2
21144	M1O	04-013/14:09:00.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-013/13:58:49.2
21145	M1O	04-013/14:09:01.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-013/13:58:50.2
21146	M1O	04-013/14:09:02.0		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-013/13:58:51.2
21147	M1O	04-013/14:09:03.0		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-013/13:58:52.2
21148	M1O	04-013/14:09:04.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-013/13:58:53.2
21149	M1O	04-013/14:09:05.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-013/13:58:54.2
21150	M1O	04-013/14:11:17.6		NOTE: Descending Node Crossing 9233		04-013/14:01:06.7
21151	M1O	04-013/14:15:13.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-013/14:05:02.2
21152	M1O	04-013/14:15:14.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-013/14:05:03.3
21153	M1O	04-013/14:15:24.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-013/14:05:13.3
21154	M1O	04-013/14:15:25.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-013/14:05:14.3
21155	M1O	04-013/14:19:35.4		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-013/14:09:24.4
21156	M1O	04-013/14:19:35.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/14:09:24.5
21157	M1O	04-013/14:19:36.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-013/14:09:25.5
21158	M1O	04-013/14:19:37.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-013/14:09:26.5
21159	M1O	04-013/14:19:38.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-013/14:09:27.5
21160	M1O	04-013/14:19:39.5		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-013/14:09:28.5
21161	M1O	04-013/14:19:49.5		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-013/14:09:38.5
21162	M1O	04-013/14:19:59.5		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-013/14:09:48.5
21163	M1O	04-013/14:20:00.0	63	Begin Tracking		
21164	M1O	04-013/14:20:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21165	M1O	04-013/14:21:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
21166	M1O	04-013/14:24:59.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-013/14:14:48.5
21167	M1O	04-013/14:25:00.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-013/14:14:49.5
21168	M1O	04-013/14:25:00.5	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21169	M1O	04-013/14:25:01.5		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-013/14:14:50.5
21170	M1O	04-013/14:26:00.0	63	Range Modulation On: SUP=3.0dB		
21171	M1O	04-013/14:27:00.0	63	Begin Ranging Acquisition		
21172	M1O	04-013/14:40:19.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-013/14:30:08.4
21173	M1O	04-013/14:40:21.4		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-013/14:30:10.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
21174	M1O	04-013/14:40:21.4	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21175	M1O	04-013/14:40:22.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-013/14:30:11.5
21176	M1O	04-013/14:40:37.2		NOTE: South Pole Crossing 9233		04-013/14:30:26.2
21177	M1O	04-013/14:41:21.8	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21178	M1O	04-013/14:41:26.9		NOTE: Periapsis 9233 ----------		04-013/14:31:15.9
21179	M1O	04-013/14:46:21.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-013/14:36:10.5
21180	M1O	04-013/14:46:21.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21181	M1O	04-013/14:46:22.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-013/14:36:11.5
21182	M1O	04-013/14:57:34.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
21183	M1O	04-013/15:07:34.0	63	Range Modulation Off		
21184	M1O	04-013/15:08:34.1		NOTE: Enter Solar Eclipse 9233		04-013/14:58:23.0
21185	M1O	04-013/15:09:54.9		NOTE: Ascending Node Crossing 9233		04-013/14:59:43.8
21186	M1O	04-013/15:12:34.0	63	X-Band Transmitter Off		
21187	M1O	04-013/15:27:49.8		NOTE: Exit Solar Eclipse 9233		04-013/15:17:38.6
21188	M1O	04-013/15:31:53.5		SPAWN, Engine = 65535, Parameters = 3, 00:28:44, 1	dpt	04-013/15:21:42.4
21189	M1O	04-013/15:31:55.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/15:21:44.5
21190	M1O	04-013/15:31:55.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21191	M1O	04-013/15:31:56.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-013/15:21:45.5
21192	M1O	04-013/15:32:56.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21193	M1O	04-013/15:32:57.1		NOTE: ENTER HGA KEEP OUT ZONE		
21194	M1O	04-013/15:32:57.1	63	NOTE: Loss Of X-Band Signal		
21195	M1O	04-013/15:35:18.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
21196	M1O	04-013/15:38:58.3		NOTE: Enter Planetary Atmosphere 9233		04-013/15:28:47.1
21197	M1O	04-013/15:39:53.4		NOTE: North Pole Crossing 9233		04-013/15:29:42.2
21198	M1O	04-013/15:40:18.0	63	Range Modulation On: SUP=3.0dB		
21199	M1O	04-013/15:40:59.1		NOTE: Enter Earth Occultation 9233		04-013/15:30:47.9
21200	M1O	04-013/15:41:00.9		NOTE: Apoapsis 9233 -		04-013/15:30:49.7
21201	M1O	04-013/15:41:18.0	63	Begin Ranging Acquisition		
21202	M1O	04-013/15:46:37.2		NOTE: EXIT HGA KEEP OUT ZONE		
21203	M1O	04-013/15:55:07.6		NOTE: Exit Earth Occultation 9233		04-013/15:44:56.4
21204	M1O	04-013/15:55:07.6	63	Acquisition Of X-Band Signal		
21205	M1O	04-013/15:55:07.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21206	M1O	04-013/15:55:40.3	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21207	M1O	04-013/15:57:09.6		NOTE: Exit Planetary Atmosphere 9233		04-013/15:46:58.4
21208	M1O	04-013/16:00:39.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-013/15:50:28.5
21209	M1O	04-013/16:00:39.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21210	M1O	04-013/16:00:40.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-013/15:50:29.5
21211	M1O	04-013/16:09:53.9		NOTE: Descending Node Crossing 9234		04-013/15:59:42.6
21212	M1O	04-013/16:39:12.4		NOTE: South Pole Crossing 9234		04-013/16:29:01.0
21213	M1O	04-013/16:40:04.0		NOTE: Periapsis 9234 ----------		04-013/16:29:52.6
21214	M1O	04-013/16:56:10.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
21215	M1O	04-013/17:06:10.0	63	Range Modulation Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
21216	M1O	04-013/17:07:05.8		NOTE: Enter Solar Eclipse 9234		04-013/16:56:54.3
21217	M1O	04-013/17:08:28.8		NOTE: Ascending Node Crossing 9234		04-013/16:58:17.3
21218	M1O	04-013/17:11:10.0	63	X-Band Transmitter Off		
21219	M1O	04-013/17:26:25.7		NOTE: Exit Solar Eclipse 9234		04-013/17:16:14.2
21220	M1O	04-013/17:30:29.9		SPAWN, Engine = 65535, Parameters = 3, 00:28:44, 1	dpt	04-013/17:20:18.4
21221	M1O	04-013/17:30:32.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/17:20:20.5
21222	M1O	04-013/17:30:32.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21223	M1O	04-013/17:30:33.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-013/17:20:21.5
21224	M1O	04-013/17:31:32.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21225	M1O	04-013/17:31:33.5		NOTE: ENTER HGA KEEP OUT ZONE		
21226	M1O	04-013/17:31:33.5	63	NOTE: Loss Of X-Band Signal		
21227	M1O	04-013/17:33:54.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
21228	M1O	04-013/17:37:28.1		NOTE: Enter Planetary Atmosphere 9234		04-013/17:27:16.5
21229	M1O	04-013/17:38:27.1		NOTE: North Pole Crossing 9234		04-013/17:28:15.6
21230	M1O	04-013/17:38:54.0	63	Range Modulation On: SUP=3.0dB		
21231	M1O	04-013/17:39:23.3		NOTE: Apoapsis 9234 -		04-013/17:29:11.7
21232	M1O	04-013/17:39:28.0		NOTE: Enter Earth Occultation 9234		04-013/17:29:16.5
21233	M1O	04-013/17:39:54.0	63	Begin Ranging Acquisition		
21234	M1O	04-013/17:45:13.5		NOTE: EXIT HGA KEEP OUT ZONE		
21235	M1O	04-013/17:46:40.5		SPAWN, Engine = 65535, Parameters = 013, 03, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-013/17:36:29.0
21236	M1O	04-013/17:46:41.6		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-013/17:36:30.1
21237	M1O	04-013/17:46:43.6		CALL, Engine = , Parameters = 56	get_cmd_opt	04-013/17:36:32.1
21238	M1O	04-013/17:46:43.9		CALL, Engine = , Parameters = 013, 03, 056	bld_autosw	04-013/17:36:32.4
21239	M1O	04-013/17:46:45.0		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-013/17:36:33.5
21240	M1O	04-013/17:46:46.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/17:36:34.6
21241	M1O	04-013/17:46:47.1		Deletes the designated file.: d:/dat/056_doy013_pass03_file01.dat	FILE_DELETE	04-013/17:36:35.6
21242	M1O	04-013/17:46:48.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/17:36:36.7
21243	M1O	04-013/17:46:49.2		Deletes the designated file.: d:/dat/056_doy013_pass03_file02.dat	FILE_DELETE	04-013/17:36:37.7
21244	M1O	04-013/17:46:50.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/17:36:38.8
21245	M1O	04-013/17:46:51.3		Deletes the designated file.: d:/dat/056_doy013_pass03_file03.dat	FILE_DELETE	04-013/17:36:39.8
21246	M1O	04-013/17:46:52.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/17:36:40.9
21247	M1O	04-013/17:46:53.4		Deletes the designated file.: d:/dat/056_doy013_pass03_file04.dat	FILE_DELETE	04-013/17:36:41.9
21248	M1O	04-013/17:46:54.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/17:36:43.0
21249	M1O	04-013/17:46:55.5		Deletes the designated file.: d:/dat/056_doy013_pass03_file05.dat	FILE_DELETE	04-013/17:36:44.0
21250	M1O	04-013/17:46:56.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/17:36:45.1
21251	M1O	04-013/17:46:57.6		Deletes the designated file.: d:/dat/056_doy013_pass03_file06.dat	FILE_DELETE	04-013/17:36:46.1
21252	M1O	04-013/17:46:58.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/17:36:47.2
21253	M1O	04-013/17:46:59.7		Deletes the designated file.: d:/dat/056_doy013_pass03_file07.dat	FILE_DELETE	04-013/17:36:48.2
21254	M1O	04-013/17:47:00.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/17:36:49.3
21255	M1O	04-013/17:47:01.8		Deletes the designated file.: d:/dat/056_doy013_pass03_file08.dat	FILE_DELETE	04-013/17:36:50.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
21256	M1O	04-013/17:47:02.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/17:36:51.4
21257	M1O	04-013/17:47:03.9		Deletes the designated file.: d:/dat/056_doy013_pass03_file09.dat	FILE_DELETE	04-013/17:36:52.4
21258	M1O	04-013/17:47:05.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/17:36:53.5
21259	M1O	04-013/17:47:06.0		Deletes the designated file.: d:/dat/056_doy013_pass03_file10.dat	FILE_DELETE	04-013/17:36:54.5
21260	M1O	04-013/17:47:07.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/17:36:55.6
21261	M1O	04-013/17:47:08.1		Deletes the designated file.: d:/dat/056_doy013_pass03_file11.dat	FILE_DELETE	04-013/17:36:56.6
21262	M1O	04-013/17:47:09.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/17:36:57.7
21263	M1O	04-013/17:47:10.2		Deletes the designated file.: d:/dat/056_doy013_pass03_file12.dat	FILE_DELETE	04-013/17:36:58.7
21264	M1O	04-013/17:47:11.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/17:36:59.8
21265	M1O	04-013/17:47:12.3		Deletes the designated file.: d:/dat/056_doy013_pass03_file13.dat	FILE_DELETE	04-013/17:37:00.8
21266	M1O	04-013/17:47:13.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/17:37:01.9
21267	M1O	04-013/17:47:14.4		Deletes the designated file.: d:/dat/056_doy013_pass03_file14.dat	FILE_DELETE	04-013/17:37:02.9
21268	M1O	04-013/17:47:15.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/17:37:04.0
21269	M1O	04-013/17:47:16.5		Deletes the designated file.: d:/dat/056_doy013_pass03_file15.dat	FILE_DELETE	04-013/17:37:05.0
21270	M1O	04-013/17:47:17.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/17:37:06.1
21271	M1O	04-013/17:47:18.6		Deletes the designated file.: d:/dat/056_doy013_pass03_file16.dat	FILE_DELETE	04-013/17:37:07.1
21272	M1O	04-013/17:47:19.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/17:37:08.2
21273	M1O	04-013/17:47:20.7		Deletes the designated file.: d:/dat/056_doy013_pass03_file17.dat	FILE_DELETE	04-013/17:37:09.2
21274	M1O	04-013/17:47:21.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/17:37:10.3
21275	M1O	04-013/17:47:22.8		Deletes the designated file.: d:/dat/056_doy013_pass03_file18.dat	FILE_DELETE	04-013/17:37:11.3
21276	M1O	04-013/17:47:23.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy013_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-013/17:37:12.4
21277	M1O	04-013/17:47:24.9		Deletes the designated file.: d:/dat/056_doy013_pass03_file19.dat	FILE_DELETE	04-013/17:37:13.4
21278	M1O	04-013/17:47:25.9		CALL, Engine = , Parameters = 56	get_apid	04-013/17:37:14.4
21279	M1O	04-013/17:47:27.0		CALL, Engine = , Parameters = 56	get_rcv_mode	04-013/17:37:15.5
21280	M1O	04-013/17:47:27.2		CALL, Engine = , Parameters = 56	get_dl_rate	04-013/17:37:15.7
21281	M1O	04-013/17:47:28.3		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-013/17:37:16.8
21282	M1O	04-013/17:47:29.5		CALL, Engine = , Parameters = 56	get_coding	04-013/17:37:18.0
21283	M1O	04-013/17:47:30.7		CALL, Engine = , Parameters = 56	get_xmt_mode	04-013/17:37:19.2
21284	M1O	04-013/17:47:31.9		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-013/17:37:20.4
21285	M1O	04-013/17:48:36.7		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-013/17:38:25.2
21286	M1O	04-013/17:48:37.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-013/17:38:26.2
21287	M1O	04-013/17:48:38.7		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-013/17:38:27.2
21288	M1O	04-013/17:48:39.7		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-013/17:38:28.2
21289	M1O	04-013/17:48:40.7		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-013/17:38:29.2
21290	M1O	04-013/17:48:41.7		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-013/17:38:30.2
21291	M1O	04-013/17:48:42.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-013/17:38:31.2
21292	M1O	04-013/17:50:32.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/17:40:21.2
21293	M1O	04-013/17:50:42.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-013/17:40:31.2
21294	M1O	04-013/17:53:44.7		NOTE: Exit Earth Occultation 9234		04-013/17:43:33.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
21295	M1O	04-013/17:53:44.7	63	Acquisition Of X-Band Signal		
21296	M1O	04-013/17:53:44.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21297	M1O	04-013/17:54:17.0	63	Acquire D/L: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21298	M1O	04-013/17:55:46.0		NOTE: Exit Planetary Atmosphere 9234		04-013/17:45:34.4
21299	M1O	04-013/17:59:16.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-013/17:49:04.5
21300	M1O	04-013/17:59:16.1	63	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21301	M1O	04-013/17:59:17.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/17:49:05.5
21302	M1O	04-013/17:59:17.1	63	D/L Change: X/08, 2-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21303	M1O	04-013/17:59:17.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-013/17:49:05.5
21304	M1O	04-013/18:08:27.2		NOTE: Descending Node Crossing 9235		04-013/17:58:15.6
21305	M1O	04-013/18:20:40.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-013/18:10:29.2
21306	M1O	04-013/18:20:41.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-013/18:10:30.3
21307	M1O	04-013/18:20:51.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-013/18:10:40.3
21308	M1O	04-013/18:20:52.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-013/18:10:41.3
21309	M1O	04-013/18:20:53.9		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-013/18:10:42.3
21310	M1O	04-013/18:20:53.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21311	M1O	04-013/18:20:54.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-013/18:10:43.3
21312	M1O	04-013/18:25:53.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-013/18:15:42.0
21313	M1O	04-013/18:25:53.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21314	M1O	04-013/18:37:44.6		NOTE: South Pole Crossing 9235		04-013/18:27:32.9
21315	M1O	04-013/18:38:17.4		NOTE: Periapsis 9235 ----------		04-013/18:28:05.6
21316	M1O	04-013/18:54:22.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
21317	M1O	04-013/19:04:22.0	63	Range Modulation Off		
21318	M1O	04-013/19:05:37.6		NOTE: Enter Solar Eclipse 9235		04-013/18:55:25.8
21319	M1O	04-013/19:07:00.5		NOTE: Ascending Node Crossing 9235		04-013/18:56:48.7
21320	M1O	04-013/19:09:22.0	63	X-Band Transmitter Off		
21321	M1O	04-013/19:24:58.8		NOTE: Exit Solar Eclipse 9235		04-013/19:14:46.9
21322	M1O	04-013/19:28:43.4		SPAWN, Engine = 65535, Parameters = 3, 00:29:04, 1	dpt	04-013/19:18:31.5
21323	M1O	04-013/19:28:45.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/19:18:33.6
21324	M1O	04-013/19:28:45.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21325	M1O	04-013/19:28:46.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-013/19:18:34.6
21326	M1O	04-013/19:29:45.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21327	M1O	04-013/19:29:46.9		NOTE: ENTER HGA KEEP OUT ZONE		
21328	M1O	04-013/19:29:46.9	63	NOTE: Loss Of X-Band Signal		
21329	M1O	04-013/19:32:26.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
21330	M1O	04-013/19:35:55.6		NOTE: Enter Planetary Atmosphere 9235		04-013/19:25:43.7
21331	M1O	04-013/19:36:58.3		NOTE: North Pole Crossing 9235		04-013/19:26:46.4
21332	M1O	04-013/19:37:26.0	63	Range Modulation On: SUP=3.0dB		
21333	M1O	04-013/19:37:36.9		NOTE: Apoapsis 9235 -		04-013/19:27:25.0
21334	M1O	04-013/19:37:54.9		NOTE: Enter Earth Occultation 9235		04-013/19:27:43.0
21335	M1O	04-013/19:38:26.0	63	Begin Ranging Acquisition		
21336	M1O	04-013/19:43:46.9		NOTE: EXIT HGA KEEP OUT ZONE		
21337	M1O	04-013/19:52:18.1		NOTE: Exit Earth Occultation 9235		04-013/19:42:06.1
21338	M1O	04-013/19:52:18.1	63	Acquisition Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
21339	M1O	04-013/19:52:18.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21340	M1O	04-013/19:52:49.8	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21341	M1O	04-013/19:54:18.6		NOTE: Exit Planetary Atmosphere 9235		04-013/19:44:06.6
21342	M1O	04-013/19:54:59.9		SPAWN, Engine = 65535, Parameters = 013, 04, FALSE, 00:08:37.599, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-013/19:44:48.0
21343	M1O	04-013/19:55:01.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-013/19:44:49.1
21344	M1O	04-013/19:55:03.0		CALL, Engine = , Parameters = 56	get_cmd_opt	04-013/19:44:51.1
21345	M1O	04-013/19:55:45.2		CALL, Engine = , Parameters = 56	get_apid	04-013/19:45:33.3
21346	M1O	04-013/19:55:46.3		CALL, Engine = , Parameters = 56	get_rcv_mode	04-013/19:45:34.4
21347	M1O	04-013/19:55:46.5		CALL, Engine = , Parameters = 56	get_dl_rate	04-013/19:45:34.6
21348	M1O	04-013/19:55:47.6		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-013/19:45:35.7
21349	M1O	04-013/19:55:48.8		CALL, Engine = , Parameters = 56	get_coding	04-013/19:45:36.9
21350	M1O	04-013/19:55:50.0		CALL, Engine = , Parameters = 56	get_xmt_mode	04-013/19:45:38.1
21351	M1O	04-013/19:55:51.2		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-013/19:45:39.3
21352	M1O	04-013/19:56:56.0		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-013/19:46:44.1
21353	M1O	04-013/19:56:57.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-013/19:46:45.1
21354	M1O	04-013/19:56:58.0		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-013/19:46:46.1
21355	M1O	04-013/19:56:59.0		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-013/19:46:47.1
21356	M1O	04-013/19:57:00.0		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-013/19:46:48.1
21357	M1O	04-013/19:57:01.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-013/19:46:49.1
21358	M1O	04-013/19:57:02.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-013/19:46:50.1
21359	M1O	04-013/19:57:49.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-013/19:47:37.6
21360	M1O	04-013/19:57:49.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21361	M1O	04-013/19:57:50.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-013/19:47:38.6
21362	M1O	04-013/20:05:35.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-013/19:55:23.6
21363	M1O	04-013/20:05:36.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-013/19:55:24.7
21364	M1O	04-013/20:05:46.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-013/19:55:34.7
21365	M1O	04-013/20:05:47.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-013/19:55:35.7
21366	M1O	04-013/20:06:57.3		NOTE: Descending Node Crossing 9236		04-013/19:56:45.3
21367	M1O	04-013/20:36:15.1		NOTE: South Pole Crossing 9236		04-013/20:26:03.0
21368	M1O	04-013/20:36:34.3		NOTE: Periapsis 9236 ----------		04-013/20:26:22.2
21369	M1O	04-013/20:52:52.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
21370	M1O	04-013/21:02:52.0	63	Range Modulation Off		
21371	M1O	04-013/21:04:10.8		NOTE: Enter Solar Eclipse 9236		04-013/20:53:58.6
21372	M1O	04-013/21:05:32.2		NOTE: Ascending Node Crossing 9236		04-013/20:55:20.0
21373	M1O	04-013/21:07:52.0	63	X-Band Transmitter Off		
21374	M1O	04-013/21:23:27.1		NOTE: Exit Solar Eclipse 9236		04-013/21:13:14.8
21375	M1O	04-013/21:27:13.8		SPAWN, Engine = 65535, Parameters = 3, 00:29:00, 1	dpt	04-013/21:17:01.5
21376	M1O	04-013/21:27:15.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/21:17:03.6
21377	M1O	04-013/21:27:15.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21378	M1O	04-013/21:27:16.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-013/21:17:04.6
21379	M1O	04-013/21:28:16.4	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
21380	M1O	04-013/21:28:17.2		NOTE: ENTER HGA KEEP OUT ZONE		
21381	M1O	04-013/21:28:17.2	63	NOTE: Loss Of X-Band Signal		
21382	M1O	04-013/21:30:52.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
21383	M1O	04-013/21:34:32.2		NOTE: Enter Planetary Atmosphere 9236		04-013/21:24:19.9
21384	M1O	04-013/21:35:30.2		NOTE: North Pole Crossing 9236		04-013/21:25:17.9
21385	M1O	04-013/21:35:52.0	63	Range Modulation On: SUP=3.0dB		
21386	M1O	04-013/21:36:10.9		NOTE: Apoapsis 9236 -		04-013/21:25:58.6
21387	M1O	04-013/21:36:32.8		NOTE: Enter Earth Occultation 9236		04-013/21:26:20.5
21388	M1O	04-013/21:36:52.0	63	Begin Ranging Acquisition		
21389	M1O	04-013/21:40:00.0	14	Begin Pre-Cal		
21390	M1O	04-013/21:40:00.0	14	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
21391	M1O	04-013/21:40:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
21392	M1O	04-013/21:40:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
21393	M1O	04-013/21:40:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
21394	M1O	04-013/21:40:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
21395	M1O	04-013/21:40:00.0	14	Config: RCV: Parms:		
21396	M1O	04-013/21:40:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
21397	M1O	04-013/21:40:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
21398	M1O	04-013/21:40:00.0	14	Config: TXL		
21399	M1O	04-013/21:40:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
21400	M1O	04-013/21:40:00.0	14	Config: CMD		
21401	M1O	04-013/21:40:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
21402	M1O	04-013/21:42:17.3		NOTE: EXIT HGA KEEP OUT ZONE		
21403	M1O	04-013/21:50:44.3		NOTE: Exit Earth Occultation 9236		04-013/21:40:32.0
21404	M1O	04-013/21:50:44.3	63	Acquisition Of X-Band Signal		
21405	M1O	04-013/21:50:44.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21406	M1O	04-013/21:51:16.5	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21407	M1O	04-013/21:52:46.2		NOTE: Exit Planetary Atmosphere 9236		04-013/21:42:33.8
21408	M1O	04-013/21:54:27.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
21409	M1O	04-013/21:56:16.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-013/21:46:03.6
21410	M1O	04-013/21:56:16.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21411	M1O	04-013/21:56:17.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-013/21:46:04.6
21412	M1O	04-013/22:04:27.0	63	Range Modulation Off		
21413	M1O	04-013/22:05:29.4		NOTE: Descending Node Crossing 9237		04-013/21:55:17.0
21414	M1O	04-013/22:09:27.0	63	X-Band Transmitter Off		
21415	M1O	04-013/22:18:30.4		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-013/22:08:18.0
21416	M1O	04-013/22:18:30.5		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-013/22:08:18.1
21417	M1O	04-013/22:18:31.5		Forces a desaturation of the reaction wheels.	RW_DESAT	04-013/22:08:19.1
21418	M1O	04-013/22:21:40.4		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-013/22:11:28.0
21419	M1O	04-013/22:21:56.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-011T22:11:28.100, 2004-013T22:11:28.100	PCKTS_RE_TX_TIME	04-013/22:11:43.8
21420	M1O	04-013/22:21:57.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-011T22:11:28.100, 2004-013T22:11:28.100	PCKTS_RE_TX_TIME	04-013/22:11:44.8
21421	M1O	04-013/22:21:58.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-011T22:11:28.100, 2004-013T22:11:28.100	PCKTS_RE_TX_TIME	04-013/22:11:45.8
21422	M1O	04-013/22:21:59.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-011T22:11:28.100, 2004-013T22:11:28.100	PCKTS_RE_TX_TIME	04-013/22:11:46.8
21423	M1O	04-013/22:22:00.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-011T22:11:28.100, 2004-013T22:11:28.100	PCKTS_RE_TX_TIME	04-013/22:11:47.8
21424	M1O	04-013/22:22:01.2		Queues in the retransmit buffer, by time range, designated packet from the specified	PCKTS_RE_TX_TIME	04-013/22:11:48.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 13, 2004-011T22:11:28.100, 2004-013T22:11:28.100		
21425	M1O	04-013/22:22:01.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-013/22:11:48.8
21426	M1O	04-013/22:22:01.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21427	M1O	04-013/22:29:02.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/22:18:49.8
21428	M1O	04-013/22:29:02.2	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21429	M1O	04-013/22:29:03.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-013/22:18:50.8
21430	M1O	04-013/22:29:19.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-013/22:19:06.8
21431	M1O	04-013/22:29:19.2	63	D/L RF Warning: SC antenna change - expect signal level variation		
21432	M1O	04-013/22:29:20.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-013/22:19:07.8
21433	M1O	04-013/22:29:51.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21434	M1O	04-013/22:30:01.5		CALL, Engine = , Parameters = FALSE	park_hga	04-013/22:19:49.1
21435	M1O	04-013/22:30:01.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/22:19:49.1
21436	M1O	04-013/22:30:02.5		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-013/22:19:50.1
21437	M1O	04-013/22:30:03.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-013/22:19:51.1
21438	M1O	04-013/22:30:03.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-013/22:19:51.1
21439	M1O	04-013/22:30:03.5		NOTE: START HGA PARK		
21440	M1O	04-013/22:30:03.5	63	NOTE: Loss Of X-Band Signal		
21441	M1O	04-013/22:30:04.5		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-013/22:19:52.1
21442	M1O	04-013/22:30:05.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-013/22:19:53.1
21443	M1O	04-013/22:34:35.5		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-013/22:24:23.1
21444	M1O	04-013/22:34:48.0		NOTE: South Pole Crossing 9237		04-013/22:24:35.5
21445	M1O	04-013/22:35:07.8		NOTE: Periapsis 9237 ----------		04-013/22:24:55.3
21446	M1O	04-013/22:38:05.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-013/22:27:53.1
21447	M1O	04-013/22:38:05.5		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-013/22:27:53.1
21448	M1O	04-013/22:40:00.0	14	Begin Tracking		
21449	M1O	04-013/23:00:00.0	63	End Tracking		
21450	M1O	04-013/23:02:45.2		NOTE: Enter Solar Eclipse 9237		04-013/22:52:32.6
21451	M1O	04-013/23:04:05.9		NOTE: Ascending Node Crossing 9237		04-013/22:53:53.3
21452	M1O	04-013/23:08:05.5		GV: GV_DESAT_ACTIVE = 1		04-013/22:57:53.0
21453	M1O	04-013/23:08:06.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-013/22:57:54.0
21454	M1O	04-013/23:08:06.5		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-013/22:57:54.0
21455	M1O	04-013/23:15:00.0	63	End Post-Cal		
21456	M1O	04-013/23:18:05.6		GV: GV_DESAT_ACTIVE = 0		04-013/23:07:53.0
21457	M1O	04-013/23:18:06.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-013/23:07:54.0
21458	M1O	04-013/23:18:07.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-013/23:07:55.0
21459	M1O	04-013/23:18:08.6		CALL, Engine = , Parameters =	unpark_hga	04-013/23:07:56.0
21460	M1O	04-013/23:18:08.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-013/23:07:56.0
21461	M1O	04-013/23:18:09.6		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-013/23:07:57.0
21462	M1O	04-013/23:21:55.4		NOTE: Exit Solar Eclipse 9237		04-013/23:11:42.7
21463	M1O	04-013/23:22:39.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-013/23:12:27.0
21464	M1O	04-013/23:22:40.6		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-013/23:12:28.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
21465	M1O	04-013/23:26:05.6		SPAWN, Engine = 65535, Parameters = 00:28:12.534	cstr	04-013/23:15:53.0
21466	M1O	04-013/23:26:05.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/23:15:53.1
21467	M1O	04-013/23:26:06.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-013/23:15:54.1
21468	M1O	04-013/23:26:07.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-013/23:15:55.1
21469	M1O	04-013/23:26:08.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-013/23:15:56.1
21470	M1O	04-013/23:26:09.7		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-013/23:15:57.1
21471	M1O	04-013/23:26:19.7		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-013/23:16:07.1
21472	M1O	04-013/23:26:29.7		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-013/23:16:17.1
21473	M1O	04-013/23:26:40.6		NOTE: EXIT HGA PARK		
21474	M1O	04-013/23:26:40.6	14	Acquisition Of X-Band Signal		
21475	M1O	04-013/23:26:40.6	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21476	M1O	04-013/23:27:09.6		NOTE: ENTER HGA KEEP OUT ZONE		
21477	M1O	04-013/23:27:09.6	14	NOTE: Loss Of X-Band Signal		
21478	M1O	04-013/23:29:19.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
21479	M1O	04-013/23:33:15.6		NOTE: Enter Planetary Atmosphere 9237		04-013/23:23:03.0
21480	M1O	04-013/23:34:05.3		NOTE: North Pole Crossing 9237		04-013/23:23:52.6
21481	M1O	04-013/23:34:19.0	14	Range Modulation On: SUP=3.0dB		
21482	M1O	04-013/23:34:48.5		NOTE: Apoapsis 9237 -		04-013/23:24:35.8
21483	M1O	04-013/23:35:18.4		NOTE: Enter Earth Occultation 9237		04-013/23:25:05.7
21484	M1O	04-013/23:35:19.0	14	Begin Ranging Acquisition		
21485	M1O	04-013/23:40:49.6		NOTE: EXIT HGA KEEP OUT ZONE		
21486	M1O	04-013/23:49:11.5		NOTE: Exit Earth Occultation 9237		04-013/23:38:58.8
21487	M1O	04-013/23:49:11.5	14	Acquisition Of X-Band Signal		
21488	M1O	04-013/23:49:11.5	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21489	M1O	04-013/23:49:44.3	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21490	M1O	04-013/23:51:15.6		NOTE: Exit Planetary Atmosphere 9237		04-013/23:41:02.8
21491	M1O	04-013/23:54:42.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-013/23:44:29.6
21492	M1O	04-013/23:54:43.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-013/23:44:30.6
21493	M1O	04-013/23:54:43.3	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21494	M1O	04-013/23:54:44.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-013/23:44:31.6
21495	M1O	04-014/00:00:00.0		Light Time: OWLT = 10:12, RTLT = 20:25		
21496	M1O	04-014/00:04:05.8		NOTE: Descending Node Crossing 9238		04-013/23:53:53.1
21497	M1O	04-014/00:33:24.4		NOTE: South Pole Crossing 9238		04-014/00:23:11.5
21498	M1O	04-014/00:33:49.1		NOTE: Periapsis 9238 ----------		04-014/00:23:36.3
21499	M1O	04-014/00:43:09.8		SPAWN, Engine = 65535, Parameters = 014, 01, TRUE, 00:19:13, 254, FALSE, 32_KPS, 00:05:00, 00:00:00	uhf	04-014/00:32:57.0
21500	M1O	04-014/00:43:10.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/00:32:57.5
21501	M1O	04-014/00:43:10.3	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21502	M1O	04-014/00:43:10.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-014/00:32:58.1
21503	M1O	04-014/00:43:12.9		CALL, Engine = , Parameters = 254	get_cmd_opt	04-014/00:33:00.1
21504	M1O	04-014/00:43:13.2		CALL, Engine = , Parameters = 014, 01, 254	bld_autosw	04-014/00:33:00.4
21505	M1O	04-014/00:43:14.3		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-014/00:33:01.5
21506	M1O	04-014/00:43:15.4		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-014/00:33:02.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_doy014_pass01_file01.dat, d:/dat/autoswitch.dat		
21507	M1O	04-014/00:43:16.4		Deletes the designated file.: d:/dat/254_doy014_pass01_file01.dat	FILE_DELETE	04-014/00:33:03.6
21508	M1O	04-014/00:43:17.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass01_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/00:33:04.7
21509	M1O	04-014/00:43:18.5		Deletes the designated file.: d:/dat/254_doy014_pass01_file02.dat	FILE_DELETE	04-014/00:33:05.7
21510	M1O	04-014/00:43:19.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass01_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/00:33:06.8
21511	M1O	04-014/00:43:20.6		Deletes the designated file.: d:/dat/254_doy014_pass01_file03.dat	FILE_DELETE	04-014/00:33:07.8
21512	M1O	04-014/00:43:21.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass01_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/00:33:08.9
21513	M1O	04-014/00:43:22.7		Deletes the designated file.: d:/dat/254_doy014_pass01_file04.dat	FILE_DELETE	04-014/00:33:09.9
21514	M1O	04-014/00:43:23.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/00:33:11.0
21515	M1O	04-014/00:43:24.8		Deletes the designated file.: d:/dat/254_doy014_pass01_file05.dat	FILE_DELETE	04-014/00:33:12.0
21516	M1O	04-014/00:43:25.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass01_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/00:33:13.1
21517	M1O	04-014/00:43:26.9		Deletes the designated file.: d:/dat/254_doy014_pass01_file06.dat	FILE_DELETE	04-014/00:33:14.1
21518	M1O	04-014/00:43:28.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass01_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/00:33:15.2
21519	M1O	04-014/00:43:29.0		Deletes the designated file.: d:/dat/254_doy014_pass01_file07.dat	FILE_DELETE	04-014/00:33:16.2
21520	M1O	04-014/00:43:30.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/00:33:17.3
21521	M1O	04-014/00:43:31.1		Deletes the designated file.: d:/dat/254_doy014_pass01_file08.dat	FILE_DELETE	04-014/00:33:18.3
21522	M1O	04-014/00:43:32.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/00:33:19.4
21523	M1O	04-014/00:43:33.2		Deletes the designated file.: d:/dat/254_doy014_pass01_file09.dat	FILE_DELETE	04-014/00:33:20.4
21524	M1O	04-014/00:43:34.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/00:33:21.5
21525	M1O	04-014/00:43:35.3		Deletes the designated file.: d:/dat/254_doy014_pass01_file10.dat	FILE_DELETE	04-014/00:33:22.5
21526	M1O	04-014/00:43:36.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass01_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/00:33:23.6
21527	M1O	04-014/00:43:37.4		Deletes the designated file.: d:/dat/254_doy014_pass01_file11.dat	FILE_DELETE	04-014/00:33:24.6
21528	M1O	04-014/00:43:38.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass01_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/00:33:25.7
21529	M1O	04-014/00:43:39.5		Deletes the designated file.: d:/dat/254_doy014_pass01_file12.dat	FILE_DELETE	04-014/00:33:26.7
21530	M1O	04-014/00:43:40.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass01_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/00:33:27.8
21531	M1O	04-014/00:43:41.6		Deletes the designated file.: d:/dat/254_doy014_pass01_file13.dat	FILE_DELETE	04-014/00:33:28.8
21532	M1O	04-014/00:43:42.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/00:33:29.9
21533	M1O	04-014/00:43:43.7		Deletes the designated file.: d:/dat/254_doy014_pass01_file14.dat	FILE_DELETE	04-014/00:33:30.9
21534	M1O	04-014/00:43:44.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass01_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/00:33:32.0
21535	M1O	04-014/00:43:45.8		Deletes the designated file.: d:/dat/254_doy014_pass01_file15.dat	FILE_DELETE	04-014/00:33:33.0
21536	M1O	04-014/00:43:46.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/00:33:34.1
21537	M1O	04-014/00:43:47.9		Deletes the designated file.: d:/dat/254_doy014_pass01_file16.dat	FILE_DELETE	04-014/00:33:35.1
21538	M1O	04-014/00:43:49.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass01_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/00:33:36.2
21539	M1O	04-014/00:43:50.0		Deletes the designated file.: d:/dat/254_doy014_pass01_file17.dat	FILE_DELETE	04-014/00:33:37.2
21540	M1O	04-014/00:43:51.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass01_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/00:33:38.3
21541	M1O	04-014/00:43:52.1		Deletes the designated file.: d:/dat/254_doy014_pass01_file18.dat	FILE_DELETE	04-014/00:33:39.3
21542	M1O	04-014/00:43:53.2		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-014/00:33:40.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_doy014_pass01_file19.dat, d:/dat/autoswitch.dat		
21543	M1O	04-014/00:43:54.2		Deletes the designated file.: d:/dat/254_doy014_pass01_file19.dat	FILE_DELETE	04-014/00:33:41.4
21544	M1O	04-014/00:43:55.2		CALL, Engine = , Parameters = 254	get_apid	04-014/00:33:42.4
21545	M1O	04-014/00:43:56.3		CALL, Engine = , Parameters = 254	get_rcv_mode	04-014/00:33:43.5
21546	M1O	04-014/00:43:56.5		CALL, Engine = , Parameters = 254	get_dl_rate	04-014/00:33:43.7
21547	M1O	04-014/00:43:57.6		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-014/00:33:44.8
21548	M1O	04-014/00:43:58.9		CALL, Engine = , Parameters = 254	get_coding	04-014/00:33:46.1
21549	M1O	04-014/00:44:00.1		CALL, Engine = , Parameters = 254	get_xmt_mode	04-014/00:33:47.3
21550	M1O	04-014/00:44:01.3		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-014/00:33:48.5
21551	M1O	04-014/00:45:06.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-014/00:34:53.3
21552	M1O	04-014/00:45:07.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-014/00:34:54.3
21553	M1O	04-014/00:45:08.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-014/00:34:55.3
21554	M1O	04-014/00:45:09.1		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-014/00:34:56.3
21555	M1O	04-014/00:45:10.1		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-014/00:34:57.3
21556	M1O	04-014/00:45:11.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-014/00:34:58.3
21557	M1O	04-014/00:45:12.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-014/00:34:59.3
21558	M1O	04-014/00:50:02.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/00:39:49.3
21559	M1O	04-014/00:50:12.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-014/00:39:59.3
21560	M1O	04-014/00:50:19.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
21561	M1O	04-014/01:00:19.0	14	Range Modulation Off		
21562	M1O	04-014/01:01:20.6		NOTE: Enter Solar Eclipse 9238		04-014/00:51:07.6
21563	M1O	04-014/01:02:41.9		NOTE: Ascending Node Crossing 9238		04-014/00:52:28.9
21564	M1O	04-014/01:04:23.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-014/00:54:10.3
21565	M1O	04-014/01:04:24.3		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-014/00:54:11.4
21566	M1O	04-014/01:04:34.3		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-014/00:54:21.4
21567	M1O	04-014/01:04:35.3		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-014/00:54:22.4
21568	M1O	04-014/01:04:36.3		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-014/00:54:23.4
21569	M1O	04-014/01:04:36.3	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21570	M1O	04-014/01:04:37.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-014/00:54:24.4
21571	M1O	04-014/01:05:19.0	14	X-Band Transmitter Off		
21572	M1O	04-014/01:09:35.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-014/00:59:23.0
21573	M1O	04-014/01:09:35.9	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21574	M1O	04-014/01:20:28.5		NOTE: Exit Solar Eclipse 9238		04-014/01:10:15.5
21575	M1O	04-014/01:24:42.6		SPAWN, Engine = 65535, Parameters = 3, 00:28:32, 1	dpt	04-014/01:14:29.6
21576	M1O	04-014/01:24:44.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/01:14:31.7
21577	M1O	04-014/01:24:44.7	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21578	M1O	04-014/01:24:45.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-014/01:14:32.7
21579	M1O	04-014/01:25:44.9	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21580	M1O	04-014/01:25:46.0		NOTE: ENTER HGA KEEP OUT ZONE		
21581	M1O	04-014/01:25:46.0	14	NOTE: Loss Of X-Band Signal		
21582	M1O	04-014/01:27:51.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
21583	M1O	04-014/01:31:55.4		NOTE: Enter Planetary Atmosphere 9238		04-014/01:21:42.4
21584	M1O	04-014/01:32:41.8		NOTE: North Pole Crossing 9238		04-014/01:22:28.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
21585	M1O	04-014/01:32:51.0	14	Range Modulation On: SUP=3.0dB		
21586	M1O	04-014/01:33:18.0		NOTE: Apoapsis 9238 -		04-014/01:23:04.9
21587	M1O	04-014/01:33:51.0	14	Begin Ranging Acquisition		
21588	M1O	04-014/01:33:59.0		NOTE: Enter Earth Occultation 9238		04-014/01:23:45.9
21589	M1O	04-014/01:39:26.0		NOTE: EXIT HGA KEEP OUT ZONE		
21590	M1O	04-014/01:47:45.4		NOTE: Exit Earth Occultation 9238		04-014/01:37:32.3
21591	M1O	04-014/01:47:45.4	14	Acquisition Of X-Band Signal		
21592	M1O	04-014/01:47:45.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21593	M1O	04-014/01:48:17.0	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21594	M1O	04-014/01:49:50.2		NOTE: Exit Planetary Atmosphere 9238		04-014/01:39:37.1
21595	M1O	04-014/01:53:16.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-014/01:43:03.7
21596	M1O	04-014/01:53:16.8	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21597	M1O	04-014/01:53:17.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-014/01:43:04.7
21598	M1O	04-014/02:02:42.8		NOTE: Descending Node Crossing 9239		04-014/01:52:29.7
21599	M1O	04-014/02:32:01.3		NOTE: South Pole Crossing 9239		04-014/02:21:48.1
21600	M1O	04-014/02:32:21.8		NOTE: Periapsis 9239 ----------		04-014/02:22:08.5
21601	M1O	04-014/02:48:55.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
21602	M1O	04-014/02:58:55.0	14	Range Modulation Off		
21603	M1O	04-014/02:59:57.3		NOTE: Enter Solar Eclipse 9239		04-014/02:49:43.9
21604	M1O	04-014/03:01:18.6		NOTE: Ascending Node Crossing 9239		04-014/02:51:05.3
21605	M1O	04-014/03:03:55.0	14	X-Band Transmitter Off		
21606	M1O	04-014/03:10:00.0	43	Begin Pre-Cal		
21607	M1O	04-014/03:10:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
21608	M1O	04-014/03:10:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
21609	M1O	04-014/03:10:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
21610	M1O	04-014/03:10:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
21611	M1O	04-014/03:10:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
21612	M1O	04-014/03:10:00.0	43	Config: RCV: Parms:		
21613	M1O	04-014/03:10:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
21614	M1O	04-014/03:10:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
21615	M1O	04-014/03:10:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
21616	M1O	04-014/03:19:05.6		NOTE: Exit Solar Eclipse 9239		04-014/03:08:52.2
21617	M1O	04-014/03:23:19.0		SPAWN, Engine = 65535, Parameters = 3, 00:28:35, 1	dpt	04-014/03:13:05.6
21618	M1O	04-014/03:23:21.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/03:13:07.7
21619	M1O	04-014/03:23:21.1	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21620	M1O	04-014/03:23:22.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-014/03:13:08.7
21621	M1O	04-014/03:24:21.6	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21622	M1O	04-014/03:24:22.4		NOTE: ENTER HGA KEEP OUT ZONE		
21623	M1O	04-014/03:24:22.4	14	NOTE: Loss Of X-Band Signal		
21624	M1O	04-014/03:26:30.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
21625	M1O	04-014/03:30:28.9		NOTE: Enter Planetary Atmosphere 9239		04-014/03:20:15.5
21626	M1O	04-014/03:31:18.0		NOTE: North Pole Crossing 9239		04-014/03:21:04.6
21627	M1O	04-014/03:31:30.0	14	Range Modulation On: SUP=3.0dB		
21628	M1O	04-014/03:31:38.0		NOTE: Apoapsis 9239 -		04-014/03:21:24.6
21629	M1O	04-014/03:32:30.0	14	Begin Ranging Acquisition		
21630	M1O	04-014/03:32:31.7		NOTE: Enter Earth Occultation 9239		04-014/03:22:18.3
21631	M1O	04-014/03:38:02.4		NOTE: EXIT HGA KEEP OUT ZONE		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
21632	M1O	04-014/03:46:24.2		NOTE: Exit Earth Occultation 9239		04-014/03:36:10.8
21633	M1O	04-014/03:46:24.2	14	Acquisition Of X-Band Signal		
21634	M1O	04-014/03:46:24.2	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21635	M1O	04-014/03:46:56.8	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21636	M1O	04-014/03:48:28.3		NOTE: Exit Planetary Atmosphere 9239		04-014/03:38:14.8
21637	M1O	04-014/03:51:56.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-014/03:41:42.7
21638	M1O	04-014/03:51:56.2	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21639	M1O	04-014/03:51:57.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-014/03:41:43.7
21640	M1O	04-014/03:55:00.0	26	Begin Pre-Cal		
21641	M1O	04-014/03:55:00.0	26	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
21642	M1O	04-014/03:55:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
21643	M1O	04-014/03:55:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
21644	M1O	04-014/03:55:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
21645	M1O	04-014/03:55:00.0	26	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
21646	M1O	04-014/03:55:00.0	26	Config: RCV: Parms:		
21647	M1O	04-014/03:55:00.0	26	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
21648	M1O	04-014/03:55:00.0	26	Config: TGC: BAND=X, SR=221200.000000		
21649	M1O	04-014/03:55:00.0	26	Config: TXL		
21650	M1O	04-014/03:55:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
21651	M1O	04-014/03:55:00.0	26	Config: CMD		
21652	M1O	04-014/03:55:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
21653	M1O	04-014/04:01:18.3		NOTE: Descending Node Crossing 9240		04-014/03:51:04.8
21654	M1O	04-014/04:25:00.0	43	Begin Tracking		
21655	M1O	04-014/04:25:00.0	43	Acquire D/L: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21656	M1O	04-014/04:30:36.8		NOTE: South Pole Crossing 9240		04-014/04:20:23.2
21657	M1O	04-014/04:30:56.7		NOTE: Periapsis 9240 ----------		04-014/04:20:43.1
21658	M1O	04-014/04:39:32.6	14	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
21659	M1O	04-014/04:40:00.0	26	Begin Tracking		
21660	M1O	04-014/04:40:00.0	26	Acquire D/L: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21661	M1O	04-014/04:40:00.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
21662	M1O	04-014/04:50:00.0	14	Range Modulation Off		
21663	M1O	04-014/04:55:00.0	14	X-Band Transmitter Off		
21664	M1O	04-014/04:58:32.6		NOTE: Enter Solar Eclipse 9240		04-014/04:48:18.9
21665	M1O	04-014/04:59:54.2		NOTE: Ascending Node Crossing 9240		04-014/04:49:40.5
21666	M1O	04-014/05:00:00.0	14	End Tracking		
21667	M1O	04-014/05:14:24.4		SPAWN, Engine = 65535, Parameters = 3, 00:36:08, 1	dpt	04-014/05:04:10.6
21668	M1O	04-014/05:14:26.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/05:04:12.7
21669	M1O	04-014/05:14:26.5	43	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21670	M1O	04-014/05:14:26.5	26	D/L Change: X/08, 3-Way/14, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21671	M1O	04-014/05:14:27.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-014/05:04:13.7
21672	M1O	04-014/05:15:00.0	14	End Post-Cal		
21673	M1O	04-014/05:15:27.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21674	M1O	04-014/05:15:27.3	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
21675	M1O	04-014/05:17:44.1		NOTE: Exit Solar Eclipse 9240		04-014/05:07:30.4
21676	M1O	04-014/05:22:58.7		NOTE: ENTER HGA KEEP OUT ZONE		
21677	M1O	04-014/05:22:58.7	43	NOTE: Loss Of X-Band Signal		
21678	M1O	04-014/05:22:58.7	26	NOTE: Loss Of X-Band Signal		
21679	M1O	04-014/05:25:08.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
21680	M1O	04-014/05:28:56.7		NOTE: Enter Planetary Atmosphere 9240		04-014/05:18:42.9
21681	M1O	04-014/05:29:52.4		NOTE: North Pole Crossing 9240		04-014/05:19:38.6
21682	M1O	04-014/05:30:08.0	26	Range Modulation On: SUP=3.0dB		
21683	M1O	04-014/05:30:09.0		NOTE: Apoapsis 9240 -		04-014/05:19:55.3
21684	M1O	04-014/05:30:58.0		NOTE: Enter Earth Occultation 9240		04-014/05:20:44.2
21685	M1O	04-014/05:31:08.0	26	Begin Ranging Acquisition		
21686	M1O	04-014/05:36:38.8		NOTE: EXIT HGA KEEP OUT ZONE		
21687	M1O	04-014/05:45:03.3		NOTE: Exit Earth Occultation 9240		04-014/05:34:49.5
21688	M1O	04-014/05:45:03.3	43	Acquisition Of X-Band Signal		
21689	M1O	04-014/05:45:03.3	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21690	M1O	04-014/05:45:03.3	26	Acquisition Of X-Band Signal		
21691	M1O	04-014/05:45:03.3	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21692	M1O	04-014/05:45:35.5	43	Acquire D/L: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21693	M1O	04-014/05:45:35.5	26	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21694	M1O	04-014/05:47:05.9		NOTE: Exit Planetary Atmosphere 9240		04-014/05:36:52.1
21695	M1O	04-014/05:50:34.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-014/05:40:20.7
21696	M1O	04-014/05:50:34.6	43	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21697	M1O	04-014/05:50:34.6	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21698	M1O	04-014/05:50:35.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-014/05:40:21.7
21699	M1O	04-014/05:59:51.3		NOTE: Descending Node Crossing 9241		04-014/05:49:37.5
21700	M1O	04-014/06:20:00.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
21701	M1O	04-014/06:29:09.5		NOTE: South Pole Crossing 9241		04-014/06:18:55.5
21702	M1O	04-014/06:29:30.6		NOTE: Periapsis 9241 ----------		04-014/06:19:16.6
21703	M1O	04-014/06:30:00.0	26	Range Modulation Off		
21704	M1O	04-014/06:35:00.0	26	X-Band Transmitter Off		
21705	M1O	04-014/06:39:31.9	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
21706	M1O	04-014/06:43:52.0		SPAWN, Engine = 65535, Parameters = 014, 02, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-014/06:33:38.0
21707	M1O	04-014/06:43:52.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/06:33:38.5
21708	M1O	04-014/06:43:52.5	43	D/L Change: X/08, 3-Way/26, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21709	M1O	04-014/06:43:52.5	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21710	M1O	04-014/06:43:53.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-014/06:33:39.1
21711	M1O	04-014/06:43:55.1		CALL, Engine = , Parameters = 56	get_cmd_opt	04-014/06:33:41.1
21712	M1O	04-014/06:43:55.4		CALL, Engine = , Parameters = 014, 02, 056	bld_autosw	04-014/06:33:41.4
21713	M1O	04-014/06:43:56.5		Copies the file designated in the source_path to the target_path.: d:/dat/056_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-014/06:33:42.5
21714	M1O	04-014/06:43:57.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy014_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/06:33:43.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
21715	M1O	04-014/06:43:58.6		Deletes the designated file.: d:/dat/056_doy014_pass02_file01.dat	FILE_DELETE	04-014/06:33:44.6
21716	M1O	04-014/06:43:59.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy014_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/06:33:45.7
21717	M1O	04-014/06:44:00.7		Deletes the designated file.: d:/dat/056_doy014_pass02_file02.dat	FILE_DELETE	04-014/06:33:46.7
21718	M1O	04-014/06:44:01.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy014_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/06:33:47.8
21719	M1O	04-014/06:44:02.8		Deletes the designated file.: d:/dat/056_doy014_pass02_file03.dat	FILE_DELETE	04-014/06:33:48.8
21720	M1O	04-014/06:44:03.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy014_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/06:33:49.9
21721	M1O	04-014/06:44:04.9		Deletes the designated file.: d:/dat/056_doy014_pass02_file04.dat	FILE_DELETE	04-014/06:33:50.9
21722	M1O	04-014/06:44:06.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy014_pass02_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/06:33:52.0
21723	M1O	04-014/06:44:07.0		Deletes the designated file.: d:/dat/056_doy014_pass02_file05.dat	FILE_DELETE	04-014/06:33:53.0
21724	M1O	04-014/06:44:08.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy014_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/06:33:54.1
21725	M1O	04-014/06:44:09.1		Deletes the designated file.: d:/dat/056_doy014_pass02_file06.dat	FILE_DELETE	04-014/06:33:55.1
21726	M1O	04-014/06:44:10.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy014_pass02_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/06:33:56.2
21727	M1O	04-014/06:44:11.2		Deletes the designated file.: d:/dat/056_doy014_pass02_file07.dat	FILE_DELETE	04-014/06:33:57.2
21728	M1O	04-014/06:44:12.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy014_pass02_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/06:33:58.3
21729	M1O	04-014/06:44:13.3		Deletes the designated file.: d:/dat/056_doy014_pass02_file08.dat	FILE_DELETE	04-014/06:33:59.3
21730	M1O	04-014/06:44:14.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy014_pass02_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/06:34:00.4
21731	M1O	04-014/06:44:15.4		Deletes the designated file.: d:/dat/056_doy014_pass02_file09.dat	FILE_DELETE	04-014/06:34:01.4
21732	M1O	04-014/06:44:16.5		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy014_pass02_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/06:34:02.5
21733	M1O	04-014/06:44:17.5		Deletes the designated file.: d:/dat/056_doy014_pass02_file10.dat	FILE_DELETE	04-014/06:34:03.5
21734	M1O	04-014/06:44:18.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy014_pass02_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/06:34:04.6
21735	M1O	04-014/06:44:19.6		Deletes the designated file.: d:/dat/056_doy014_pass02_file11.dat	FILE_DELETE	04-014/06:34:05.6
21736	M1O	04-014/06:44:20.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy014_pass02_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/06:34:06.7
21737	M1O	04-014/06:44:21.7		Deletes the designated file.: d:/dat/056_doy014_pass02_file12.dat	FILE_DELETE	04-014/06:34:07.7
21738	M1O	04-014/06:44:22.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy014_pass02_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/06:34:08.8
21739	M1O	04-014/06:44:23.8		Deletes the designated file.: d:/dat/056_doy014_pass02_file13.dat	FILE_DELETE	04-014/06:34:09.8
21740	M1O	04-014/06:44:24.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy014_pass02_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/06:34:10.9
21741	M1O	04-014/06:44:25.9		Deletes the designated file.: d:/dat/056_doy014_pass02_file14.dat	FILE_DELETE	04-014/06:34:11.9
21742	M1O	04-014/06:44:27.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy014_pass02_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/06:34:13.0
21743	M1O	04-014/06:44:28.0		Deletes the designated file.: d:/dat/056_doy014_pass02_file15.dat	FILE_DELETE	04-014/06:34:14.0
21744	M1O	04-014/06:44:29.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy014_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/06:34:15.1
21745	M1O	04-014/06:44:30.1		Deletes the designated file.: d:/dat/056_doy014_pass02_file16.dat	FILE_DELETE	04-014/06:34:16.1
21746	M1O	04-014/06:44:31.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy014_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/06:34:17.2
21747	M1O	04-014/06:44:32.2		Deletes the designated file.: d:/dat/056_doy014_pass02_file17.dat	FILE_DELETE	04-014/06:34:18.2
21748	M1O	04-014/06:44:33.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy014_pass02_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/06:34:19.3
21749	M1O	04-014/06:44:34.3		Deletes the designated file.: d:/dat/056_doy014_pass02_file18.dat	FILE_DELETE	04-014/06:34:20.3
21750	M1O	04-014/06:44:35.4		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy014_pass02_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/06:34:21.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
21751	M1O	04-014/06:44:36.4		Deletes the designated file.: d:/dat/056_doy014_pass02_file19.dat	FILE_DELETE	04-014/06:34:22.4
21752	M1O	04-014/06:44:37.4		CALL, Engine = , Parameters = 56	get_apid	04-014/06:34:23.4
21753	M1O	04-014/06:44:38.5		CALL, Engine = , Parameters = 56	get_rcv_mode	04-014/06:34:24.5
21754	M1O	04-014/06:44:38.7		CALL, Engine = , Parameters = 56	get_dl_rate	04-014/06:34:24.7
21755	M1O	04-014/06:44:39.8		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-014/06:34:25.8
21756	M1O	04-014/06:44:41.0		CALL, Engine = , Parameters = 56	get_coding	04-014/06:34:27.0
21757	M1O	04-014/06:44:42.2		CALL, Engine = , Parameters = 56	get_xmt_mode	04-014/06:34:28.2
21758	M1O	04-014/06:44:43.4		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-014/06:34:29.4
21759	M1O	04-014/06:45:48.2		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-014/06:35:34.2
21760	M1O	04-014/06:45:49.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-014/06:35:35.2
21761	M1O	04-014/06:45:50.2		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-014/06:35:36.2
21762	M1O	04-014/06:45:51.2		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-014/06:35:37.2
21763	M1O	04-014/06:45:52.2		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-014/06:35:38.2
21764	M1O	04-014/06:45:53.2		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-014/06:35:39.2
21765	M1O	04-014/06:45:54.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-014/06:35:40.2
21766	M1O	04-014/06:47:28.0	26	NOTE: Below Uplink Interlock Limit		
21767	M1O	04-014/06:47:44.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/06:37:30.2
21768	M1O	04-014/06:47:54.2		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-014/06:37:40.2
21769	M1O	04-014/06:54:25.8		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-014/06:44:11.7
21770	M1O	04-014/06:54:27.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/06:44:13.8
21771	M1O	04-014/06:54:28.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-014/06:44:14.8
21772	M1O	04-014/06:55:28.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21773	M1O	04-014/06:55:28.0	26	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21774	M1O	04-014/06:57:04.3		NOTE: Enter Solar Eclipse 9241		04-014/06:46:50.2
21775	M1O	04-014/06:58:26.5		NOTE: Ascending Node Crossing 9241		04-014/06:48:12.5
21776	M1O	04-014/07:00:00.0	26	End Tracking		
21777	M1O	04-014/07:00:27.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-014/06:50:13.8
21778	M1O	04-014/07:00:27.9	43	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21779	M1O	04-014/07:00:28.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/06:50:14.8
21780	M1O	04-014/07:00:28.8	43	D/L Change: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21781	M1O	04-014/07:00:28.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-014/06:50:14.8
21782	M1O	04-014/07:10:14.1		SPAWN, Engine = 65535, Parameters =	scdiag	04-014/07:00:00.0
21783	M1O	04-014/07:10:15.2		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-014/07:00:01.1
21784	M1O	04-014/07:10:16.2		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-014/07:00:02.1
21785	M1O	04-014/07:11:17.1		SPAWN, Engine = 65535, Parameters = WEEKLY	fsw_diag	04-014/07:01:03.0
21786	M1O	04-014/07:11:17.3		NOTE: Start Block fsw_diag		04-014/07:01:03.2
21787	M1O	04-014/07:11:18.3		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D53,0x686F7720,0x313B6368,0x65636B53,0x7461636B,0x3B690000,0x0000,0x0000,0x0000, 0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000,0x0000]	FSW_VX_CMD	04-014/07:01:04.2
21788	M1O	04-014/07:11:19.3		Creates a non-channelized telemetry packet for APID 7.: d:/	FILE_SYS_STATUS	04-014/07:01:05.2
21789	M1O	04-014/07:11:30.3		NOTE: End Block fsw_diag.mod		04-014/07:01:16.2
21790	M1O	04-014/07:12:30.1		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-014/07:02:16.0
21791	M1O	04-014/07:12:30.3		NOTE: Start Block fsw_diag		04-014/07:02:16.2
21792	M1O	04-014/07:12:31.3		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-014/07:02:17.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
21793	M1O	04-014/07:12:32.3		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28, 0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	04-014/07:02:18.2
21794	M1O	04-014/07:12:43.3		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x6D656D50,0x61727453,0x686F7728,0x66617374,0x50617274,0x47657450,0x61727449,0x64286865, 0x61705F67,0x65745F70,0x61727469,0x74696F6E,0x28686561,0x705F6765,0x745F6864,0x72283029, 0x29292C31,0x29000000,0x0000,0x0000]	FSW_VX_CMD	04-014/07:02:29.2
21795	M1O	04-014/07:13:13.3		Creates a non-channelized telemetry packet for APID 7.: 0x0000, 0x175FFB	CRC_CHECK_EEPROM	04-014/07:02:59.2
21796	M1O	04-014/07:13:33.3		Creates a non-channelized telemetry packet for APID 7.: 0x175FFC, 0x17FFFF	CRC_CHECK_EEPROM	04-014/07:03:19.2
21797	M1O	04-014/07:13:43.3		Creates a non-channelized telemetry packet for APID 7.: 0x180000, 0x2FFFFF	CRC_CHECK_EEPROM	04-014/07:03:29.2
21798	M1O	04-014/07:14:03.3		Creates a non-channelized telemetry packet for APID 7.: 0x10C000, 0x2BCFFF	CRC_CHECK_DRAM	04-014/07:03:49.2
21799	M1O	04-014/07:14:13.3		Creates a non-channelized telemetry packet for APID 7.: 0x0004, 0x00CB	CRC_CHECK_CMIC	04-014/07:03:59.2
21800	M1O	04-014/07:14:18.3		Creates a non-channelized telemetry packet for APID 7.: 0x00CC, 0x00CC	CRC_CHECK_CMIC	04-014/07:04:04.2
21801	M1O	04-014/07:14:23.3		Creates a non-channelized telemetry packet for APID 7.: 0x00CD, 0x00D5	CRC_CHECK_CMIC	04-014/07:04:09.2
21802	M1O	04-014/07:14:28.3		Creates a non-channelized telemetry packet for APID 7.: 0x0AC3, 0x0AE0	CRC_CHECK_CMIC	04-014/07:04:14.2
21803	M1O	04-014/07:14:33.3		Creates a non-channelized telemetry packet for APID 7.: 0x0B72, 0x0B89	CRC_CHECK_CMIC	04-014/07:04:19.2
21804	M1O	04-014/07:14:38.3		Creates a non-channelized telemetry packet for APID 7.: 0x0B8A, 0xDFFF	CRC_CHECK_CMIC	04-014/07:04:24.2
21805	M1O	04-014/07:15:00.0	26	End Post-Cal		
21806	M1O	04-014/07:15:18.3		Creates a non-channelized telemetry packet for APID 7.: 0xE000, 0xE000	CRC_CHECK_CMIC	04-014/07:05:04.2
21807	M1O	04-014/07:15:23.3		Creates a non-channelized telemetry packet for APID 7.: 0xE001, 0xE057	CRC_CHECK_CMIC	04-014/07:05:09.2
21808	M1O	04-014/07:15:28.3		Creates a non-channelized telemetry packet for APID 7.: 0xE058, 0xE063	CRC_CHECK_CMIC	04-014/07:05:14.2
21809	M1O	04-014/07:15:33.3		Creates a non-channelized telemetry packet for APID 7.: 0xE064, 0xFFFF	CRC_CHECK_CMIC	04-014/07:05:19.2
21810	M1O	04-014/07:15:38.3		Creates a non-channelized telemetry packet for APID 7.	STATS_DUMP_ALL	04-014/07:05:24.2
21811	M1O	04-014/07:15:39.3		Executes the designated function for context switch statistics.: RESET	STATS_CONTEXT_SW	04-014/07:05:25.2
21812	M1O	04-014/07:15:40.3		Executes the designated function for task utility statistics.: RESET, ALL	STATS_TASK_UTIL	04-014/07:05:26.2
21813	M1O	04-014/07:15:41.3		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-014/07:05:27.2
21814	M1O	04-014/07:15:52.3		NOTE: End Block fsw_diag.mod		04-014/07:05:38.2
21815	M1O	04-014/07:16:18.4		NOTE: Exit Solar Eclipse 9241		04-014/07:06:04.3
21816	M1O	04-014/07:17:52.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-014/07:07:38.2
21817	M1O	04-014/07:17:53.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-014/07:07:39.3
21818	M1O	04-014/07:18:03.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-014/07:07:49.3
21819	M1O	04-014/07:18:04.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-014/07:07:50.3
21820	M1O	04-014/07:18:05.4		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-014/07:07:51.3
21821	M1O	04-014/07:18:05.4	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21822	M1O	04-014/07:18:06.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-014/07:07:52.3
21823	M1O	04-014/07:20:29.1		SPAWN, Engine = 65535, Parameters = 3, 00:28:05.519, 1	dpt	04-014/07:10:15.0
21824	M1O	04-014/07:20:31.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/07:10:17.1
21825	M1O	04-014/07:20:32.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-014/07:10:18.1
21826	M1O	04-014/07:21:31.1		NOTE: ENTER HGA KEEP OUT ZONE		
21827	M1O	04-014/07:21:31.1	43	NOTE: Loss Of X-Band Signal		
21828	M1O	04-014/07:27:25.0		NOTE: Enter Planetary Atmosphere 9241		04-014/07:17:10.9
21829	M1O	04-014/07:28:24.2		NOTE: North Pole Crossing 9241		04-014/07:18:10.1
21830	M1O	04-014/07:28:51.7		NOTE: Apoapsis 9241 -		04-014/07:18:37.5
21831	M1O	04-014/07:29:25.8		NOTE: Enter Earth Occultation 9241		04-014/07:19:11.6
21832	M1O	04-014/07:35:11.1		NOTE: EXIT HGA KEEP OUT ZONE		
21833	M1O	04-014/07:43:36.7		NOTE: Exit Earth Occultation 9241		04-014/07:33:22.5
21834	M1O	04-014/07:43:36.7	43	Acquisition Of X-Band Signal		
21835	M1O	04-014/07:43:36.7	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
21836	M1O	04-014/07:45:38.7		NOTE: Exit Planetary Atmosphere 9241		04-014/07:35:24.5
21837	M1O	04-014/07:48:36.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-014/07:38:22.6
21838	M1O	04-014/07:48:36.8	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21839	M1O	04-014/07:48:37.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-014/07:38:23.6
21840	M1O	04-014/07:58:22.8		NOTE: Descending Node Crossing 9242		04-014/07:48:08.5
21841	M1O	04-014/08:27:40.0		NOTE: South Pole Crossing 9242		04-014/08:17:25.6
21842	M1O	04-014/08:27:52.5		NOTE: Periapsis 9242 ----------		04-014/08:17:38.1
21843	M1O	04-014/08:55:35.0		NOTE: Enter Solar Eclipse 9242		04-014/08:45:20.5
21844	M1O	04-014/08:56:56.6		NOTE: Ascending Node Crossing 9242		04-014/08:46:42.2
21845	M1O	04-014/09:14:44.8		NOTE: Exit Solar Eclipse 9242		04-014/09:04:30.2
21846	M1O	04-014/09:19:00.5		SPAWN, Engine = 65535, Parameters = 3, 00:28:00.666, 1	dpt	04-014/09:08:46.0
21847	M1O	04-014/09:19:02.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/09:08:48.1
21848	M1O	04-014/09:19:02.6	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21849	M1O	04-014/09:19:03.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-014/09:08:49.1
21850	M1O	04-014/09:20:02.5		NOTE: ENTER HGA KEEP OUT ZONE		
21851	M1O	04-014/09:20:02.5	43	NOTE: Loss Of X-Band Signal		
21852	M1O	04-014/09:26:01.4		NOTE: Enter Planetary Atmosphere 9242		04-014/09:15:46.9
21853	M1O	04-014/09:26:55.4		NOTE: North Pole Crossing 9242		04-014/09:16:40.9
21854	M1O	04-014/09:27:09.0		NOTE: Apoapsis 9242 -		04-014/09:16:54.5
21855	M1O	04-014/09:28:03.5		NOTE: Enter Earth Occultation 9242		04-014/09:17:48.9
21856	M1O	04-014/09:33:42.5		NOTE: EXIT HGA KEEP OUT ZONE		
21857	M1O	04-014/09:42:03.2		NOTE: Exit Earth Occultation 9242		04-014/09:31:48.6
21858	M1O	04-014/09:42:03.2	43	Acquisition Of X-Band Signal		
21859	M1O	04-014/09:42:03.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21860	M1O	04-014/09:44:06.6		NOTE: Exit Planetary Atmosphere 9242		04-014/09:33:52.0
21861	M1O	04-014/09:47:03.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-014/09:36:48.7
21862	M1O	04-014/09:47:03.3	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21863	M1O	04-014/09:47:04.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-014/09:36:49.7
21864	M1O	04-014/09:56:54.8		NOTE: Descending Node Crossing 9243		04-014/09:46:40.2
21865	M1O	04-014/10:26:04.6		NOTE: Periapsis 9243 ----------		04-014/10:15:49.9
21866	M1O	04-014/10:26:12.2		NOTE: South Pole Crossing 9243		04-014/10:15:57.5
21867	M1O	04-014/10:35:00.0	55	Begin Pre-Cal		
21868	M1O	04-014/10:35:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
21869	M1O	04-014/10:35:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
21870	M1O	04-014/10:35:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
21871	M1O	04-014/10:35:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
21872	M1O	04-014/10:35:00.0	55	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
21873	M1O	04-014/10:35:00.0	55	Config: RCV: Parms:		
21874	M1O	04-014/10:35:00.0	55	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
21875	M1O	04-014/10:35:00.0	55	Config: TGC: BAND=X, SR=221200.000000		
21876	M1O	04-014/10:35:00.0	55	Config: TXL		
21877	M1O	04-014/10:35:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
21878	M1O	04-014/10:35:00.0	55	Config: CMD		
21879	M1O	04-014/10:35:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
21880	M1O	04-014/10:54:10.8		NOTE: Enter Solar Eclipse 9243		04-014/10:43:56.0
21881	M1O	04-014/10:55:29.8		NOTE: Ascending Node Crossing 9243		04-014/10:45:15.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
21882	M1O	04-014/11:13:12.0		NOTE: Exit Solar Eclipse 9243		04-014/11:02:57.2
21883	M1O	04-014/11:17:32.8		SPAWN, Engine = 65535, Parameters = 3, 00:27:55.559, 1	dpt	04-014/11:07:18.0
21884	M1O	04-014/11:17:34.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/11:07:20.1
21885	M1O	04-014/11:17:34.9	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21886	M1O	04-014/11:17:35.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-014/11:07:21.1
21887	M1O	04-014/11:18:34.8		NOTE: ENTER HGA KEEP OUT ZONE		
21888	M1O	04-014/11:18:34.8	43	NOTE: Loss Of X-Band Signal		
21889	M1O	04-014/11:24:43.0		NOTE: Enter Planetary Atmosphere 9243		04-014/11:14:28.1
21890	M1O	04-014/11:25:27.5		NOTE: Apoapsis 9243 -		04-014/11:15:12.6
21891	M1O	04-014/11:25:29.5		NOTE: North Pole Crossing 9243		04-014/11:15:14.6
21892	M1O	04-014/11:26:46.9		NOTE: Enter Earth Occultation 9243		04-014/11:16:32.0
21893	M1O	04-014/11:31:54.9		NOTE: EXIT HGA KEEP OUT ZONE		
21894	M1O	04-014/11:40:30.5		NOTE: Exit Earth Occultation 9243		04-014/11:30:15.5
21895	M1O	04-014/11:40:30.5	43	Acquisition Of X-Band Signal		
21896	M1O	04-014/11:40:30.5	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21897	M1O	04-014/11:42:35.8		NOTE: Exit Planetary Atmosphere 9243		04-014/11:32:20.8
21898	M1O	04-014/11:45:30.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-014/11:35:15.6
21899	M1O	04-014/11:45:30.6	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21900	M1O	04-014/11:45:31.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-014/11:35:16.6
21901	M1O	04-014/11:47:38.9		SPAWN, Engine = 65535, Parameters = 014, 02, FALSE, 00:16:16.816, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-014/11:37:24.0
21902	M1O	04-014/11:47:40.0		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-014/11:37:25.1
21903	M1O	04-014/11:47:42.0		CALL, Engine = , Parameters = 254	get_cmd_opt	04-014/11:37:27.1
21904	M1O	04-014/11:48:24.2		CALL, Engine = , Parameters = 254	get_apid	04-014/11:38:09.3
21905	M1O	04-014/11:48:25.3		CALL, Engine = , Parameters = 254	get_rcv_mode	04-014/11:38:10.4
21906	M1O	04-014/11:48:25.5		CALL, Engine = , Parameters = 254	get_dl_rate	04-014/11:38:10.6
21907	M1O	04-014/11:48:26.6		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-014/11:38:11.7
21908	M1O	04-014/11:48:27.9		CALL, Engine = , Parameters = 254	get_coding	04-014/11:38:13.0
21909	M1O	04-014/11:48:29.1		CALL, Engine = , Parameters = 254	get_xmt_mode	04-014/11:38:14.2
21910	M1O	04-014/11:48:30.3		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-014/11:38:15.4
21911	M1O	04-014/11:49:35.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-014/11:39:20.2
21912	M1O	04-014/11:49:36.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-014/11:39:21.2
21913	M1O	04-014/11:49:37.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-014/11:39:22.2
21914	M1O	04-014/11:49:38.1		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-014/11:39:23.2
21915	M1O	04-014/11:49:39.1		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-014/11:39:24.2
21916	M1O	04-014/11:49:40.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-014/11:39:25.2
21917	M1O	04-014/11:49:41.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-014/11:39:26.2
21918	M1O	04-014/11:55:29.4		NOTE: Descending Node Crossing 9244		04-014/11:45:14.4
21919	M1O	04-014/12:05:00.0	55	Begin Tracking		
21920	M1O	04-014/12:05:00.0	55	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21921	M1O	04-014/12:05:54.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-014/11:55:39.0
21922	M1O	04-014/12:05:55.1		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-014/11:55:40.1
21923	M1O	04-014/12:06:05.1		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-014/11:55:50.1
21924	M1O	04-014/12:06:06.1		Passes the specified amount of data, data size parameter, through the PACI interface.:	GRS_PASS_THROUGH	04-014/11:55:51.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000		
21925	M1O	04-014/12:16:31.0	55	NOTE: Above Uplink Interlock Limit		
21926	M1O	04-014/12:20:00.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
21927	M1O	04-014/12:23:13.0	43	NOTE: Below Uplink Interlock Limit		
21928	M1O	04-014/12:23:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-014/12:13:42.9
21929	M1O	04-014/12:24:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/12:13:45.0
21930	M1O	04-014/12:24:00.1	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21931	M1O	04-014/12:24:00.1	55	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21932	M1O	04-014/12:24:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-014/12:13:46.0
21933	M1O	04-014/12:24:48.2		NOTE: South Pole Crossing 9244		04-014/12:14:33.1
21934	M1O	04-014/12:24:52.7		NOTE: Periapsis 9244 ----------		04-014/12:14:37.6
21935	M1O	04-014/12:25:00.0	43	End Tracking		
21936	M1O	04-014/12:25:00.0	55	Range Modulation On: SUP=3.0dB		
21937	M1O	04-014/12:25:00.0		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-014/12:14:44.9
21938	M1O	04-014/12:25:00.0		Sets the specified telemetry downlink rate which is controlled by the rate at which data is clocked out of the C&DH.: 39816_BPS	DOWNLINK_RATE	04-014/12:14:44.9
21939	M1O	04-014/12:25:00.0	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21940	M1O	04-014/12:26:00.0	55	Begin Ranging Acquisition		
21941	M1O	04-014/12:30:00.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-014/12:19:45.0
21942	M1O	04-014/12:30:00.1	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21943	M1O	04-014/12:30:01.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-014/12:19:46.0
21944	M1O	04-014/12:39:28.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-014/12:29:12.9
21945	M1O	04-014/12:39:30.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/12:29:15.0
21946	M1O	04-014/12:39:30.1	55	D/L Change: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21947	M1O	04-014/12:39:31.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-014/12:29:16.0
21948	M1O	04-014/12:40:00.0	43	End Post-Cal		
21949	M1O	04-014/12:40:30.1	55	Acquire D/L: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21950	M1O	04-014/12:41:58.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
21951	M1O	04-014/12:45:30.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-014/12:35:15.0
21952	M1O	04-014/12:45:30.1	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21953	M1O	04-014/12:45:31.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-014/12:35:16.0
21954	M1O	04-014/12:51:58.0	55	Range Modulation Off		
21955	M1O	04-014/12:52:48.0		NOTE: Enter Solar Eclipse 9244		04-014/12:42:32.8
21956	M1O	04-014/12:54:06.7		NOTE: Ascending Node Crossing 9244		04-014/12:43:51.5
21957	M1O	04-014/12:56:58.0	55	X-Band Transmitter Off		
21958	M1O	04-014/13:09:18.2		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-014/12:59:03.0
21959	M1O	04-014/13:09:34.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-012T12:59:03.100, 2004-014T12:59:03.100	PCKTS_RE_TX_TIME	04-014/12:59:18.8
21960	M1O	04-014/13:09:35.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-012T12:59:03.100, 2004-014T12:59:03.100	PCKTS_RE_TX_TIME	04-014/12:59:19.8
21961	M1O	04-014/13:09:36.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-012T12:59:03.100, 2004-014T12:59:03.100	PCKTS_RE_TX_TIME	04-014/12:59:20.8
21962	M1O	04-014/13:09:37.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-012T12:59:03.100, 2004-014T12:59:03.100	PCKTS_RE_TX_TIME	04-014/12:59:21.8
21963	M1O	04-014/13:09:38.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-012T12:59:03.100, 2004-014T12:59:03.100	PCKTS_RE_TX_TIME	04-014/12:59:22.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
21964	M1O	04-014/13:09:39.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-012T12:59:03.100, 2004-014T12:59:03.100	PCKTS_RE_TX_TIME	04-014/12:59:23.8
21965	M1O	04-014/13:09:39.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-014/12:59:23.8
21966	M1O	04-014/13:09:39.0	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21967	M1O	04-014/13:11:47.0		NOTE: Exit Solar Eclipse 9244		04-014/13:01:31.8
21968	M1O	04-014/13:16:40.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/13:06:24.8
21969	M1O	04-014/13:16:40.0	55	D/L Change: X/08, 2-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21970	M1O	04-014/13:16:41.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-014/13:06:25.8
21971	M1O	04-014/13:16:57.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-014/13:06:41.8
21972	M1O	04-014/13:16:57.0	55	D/L RF Warning: SC antenna change - expect signal level variation		
21973	M1O	04-014/13:16:58.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-014/13:06:42.8
21974	M1O	04-014/13:17:28.4	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21975	M1O	04-014/13:17:29.2		NOTE: ENTER HGA KEEP OUT ZONE		
21976	M1O	04-014/13:17:29.2	55	NOTE: Loss Of X-Band Signal		
21977	M1O	04-014/13:23:21.4		NOTE: Enter Planetary Atmosphere 9244		04-014/13:13:06.1
21978	M1O	04-014/13:24:05.9		NOTE: North Pole Crossing 9244		04-014/13:13:50.6
21979	M1O	04-014/13:24:24.5		NOTE: Apoapsis 9244 -		04-014/13:14:09.2
21980	M1O	04-014/13:25:26.2		NOTE: Enter Earth Occultation 9244		04-014/13:15:10.9
21981	M1O	04-014/13:30:29.3		NOTE: EXIT HGA KEEP OUT ZONE		
21982	M1O	04-014/13:39:03.0		NOTE: Exit Earth Occultation 9244		04-014/13:28:47.7
21983	M1O	04-014/13:39:03.0	55	Acquisition Of X-Band Signal		
21984	M1O	04-014/13:39:03.0	55	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
21985	M1O	04-014/13:41:09.0		NOTE: Exit Planetary Atmosphere 9244		04-014/13:30:53.7
21986	M1O	04-014/13:44:25.3		SPAWN, Engine = 65535, Parameters = 014, 03, TRUE, 00:17:29, 254, FALSE, 32_KPS, 00:05:00, 00:00:00	uhf	04-014/13:34:10.0
21987	M1O	04-014/13:44:26.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-014/13:34:11.1
21988	M1O	04-014/13:44:28.4		CALL, Engine = , Parameters = 254	get_cmd_opt	04-014/13:34:13.1
21989	M1O	04-014/13:44:28.7		CALL, Engine = , Parameters = 014, 03, 254	bld_autosw	04-014/13:34:13.4
21990	M1O	04-014/13:44:29.8		Copies the file designated in the source_path to the target_path.: d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE	FILE_COPY	04-014/13:34:14.5
21991	M1O	04-014/13:44:30.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/13:34:15.6
21992	M1O	04-014/13:44:31.9		Deletes the designated file.: d:/dat/254_doy014_pass03_file01.dat	FILE_DELETE	04-014/13:34:16.6
21993	M1O	04-014/13:44:33.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass03_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/13:34:17.7
21994	M1O	04-014/13:44:34.0		Deletes the designated file.: d:/dat/254_doy014_pass03_file02.dat	FILE_DELETE	04-014/13:34:18.7
21995	M1O	04-014/13:44:35.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass03_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/13:34:19.8
21996	M1O	04-014/13:44:36.1		Deletes the designated file.: d:/dat/254_doy014_pass03_file03.dat	FILE_DELETE	04-014/13:34:20.8
21997	M1O	04-014/13:44:37.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/13:34:21.9
21998	M1O	04-014/13:44:38.2		Deletes the designated file.: d:/dat/254_doy014_pass03_file04.dat	FILE_DELETE	04-014/13:34:22.9
21999	M1O	04-014/13:44:39.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass03_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/13:34:24.0
22000	M1O	04-014/13:44:40.3		Deletes the designated file.: d:/dat/254_doy014_pass03_file05.dat	FILE_DELETE	04-014/13:34:25.0
22001	M1O	04-014/13:44:41.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/13:34:26.1
22002	M1O	04-014/13:44:42.4		Deletes the designated file.: d:/dat/254_doy014_pass03_file06.dat	FILE_DELETE	04-014/13:34:27.1
22003	M1O	04-014/13:44:43.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass03_file07.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/13:34:28.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
22004	M1O	04-014/13:44:44.5		Deletes the designated file.: d:/dat/254_doy014_pass03_file07.dat	FILE_DELETE	04-014/13:34:29.2
22005	M1O	04-014/13:44:45.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass03_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/13:34:30.3
22006	M1O	04-014/13:44:46.6		Deletes the designated file.: d:/dat/254_doy014_pass03_file08.dat	FILE_DELETE	04-014/13:34:31.3
22007	M1O	04-014/13:44:47.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass03_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/13:34:32.4
22008	M1O	04-014/13:44:48.7		Deletes the designated file.: d:/dat/254_doy014_pass03_file09.dat	FILE_DELETE	04-014/13:34:33.4
22009	M1O	04-014/13:44:49.8		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass03_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/13:34:34.5
22010	M1O	04-014/13:44:50.8		Deletes the designated file.: d:/dat/254_doy014_pass03_file10.dat	FILE_DELETE	04-014/13:34:35.5
22011	M1O	04-014/13:44:51.9		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass03_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/13:34:36.6
22012	M1O	04-014/13:44:52.9		Deletes the designated file.: d:/dat/254_doy014_pass03_file11.dat	FILE_DELETE	04-014/13:34:37.6
22013	M1O	04-014/13:44:54.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass03_file12.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/13:34:38.7
22014	M1O	04-014/13:44:55.0		Deletes the designated file.: d:/dat/254_doy014_pass03_file12.dat	FILE_DELETE	04-014/13:34:39.7
22015	M1O	04-014/13:44:56.1		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass03_file13.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/13:34:40.8
22016	M1O	04-014/13:44:57.1		Deletes the designated file.: d:/dat/254_doy014_pass03_file13.dat	FILE_DELETE	04-014/13:34:41.8
22017	M1O	04-014/13:44:58.2		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass03_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/13:34:42.9
22018	M1O	04-014/13:44:59.2		Deletes the designated file.: d:/dat/254_doy014_pass03_file14.dat	FILE_DELETE	04-014/13:34:43.9
22019	M1O	04-014/13:45:00.0	55	End Tracking		
22020	M1O	04-014/13:45:00.0	55	End Post-Cal		
22021	M1O	04-014/13:45:00.3		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/13:34:45.0
22022	M1O	04-014/13:45:01.3		Deletes the designated file.: d:/dat/254_doy014_pass03_file15.dat	FILE_DELETE	04-014/13:34:46.0
22023	M1O	04-014/13:45:02.4		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass03_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/13:34:47.1
22024	M1O	04-014/13:45:03.4		Deletes the designated file.: d:/dat/254_doy014_pass03_file16.dat	FILE_DELETE	04-014/13:34:48.1
22025	M1O	04-014/13:45:04.5		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass03_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/13:34:49.2
22026	M1O	04-014/13:45:05.5		Deletes the designated file.: d:/dat/254_doy014_pass03_file17.dat	FILE_DELETE	04-014/13:34:50.2
22027	M1O	04-014/13:45:06.6		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass03_file18.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/13:34:51.3
22028	M1O	04-014/13:45:07.6		Deletes the designated file.: d:/dat/254_doy014_pass03_file18.dat	FILE_DELETE	04-014/13:34:52.3
22029	M1O	04-014/13:45:08.7		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy014_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-014/13:34:53.4
22030	M1O	04-014/13:45:09.7		Deletes the designated file.: d:/dat/254_doy014_pass03_file19.dat	FILE_DELETE	04-014/13:34:54.4
22031	M1O	04-014/13:45:10.7		CALL, Engine = , Parameters = 254	get_apid	04-014/13:34:55.4
22032	M1O	04-014/13:45:11.8		CALL, Engine = , Parameters = 254	get_rcv_mode	04-014/13:34:56.5
22033	M1O	04-014/13:45:12.0		CALL, Engine = , Parameters = 254	get_dl_rate	04-014/13:34:56.7
22034	M1O	04-014/13:45:13.1		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-014/13:34:57.8
22035	M1O	04-014/13:45:14.4		CALL, Engine = , Parameters = 254	get_coding	04-014/13:34:59.1
22036	M1O	04-014/13:45:15.6		CALL, Engine = , Parameters = 254	get_xmt_mode	04-014/13:35:00.3
22037	M1O	04-014/13:45:16.8		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-014/13:35:01.5
22038	M1O	04-014/13:46:21.6		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-014/13:36:06.3
22039	M1O	04-014/13:46:22.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-014/13:36:07.3
22040	M1O	04-014/13:46:23.6		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-014/13:36:08.3
22041	M1O	04-014/13:46:24.6		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-014/13:36:09.3
22042	M1O	04-014/13:46:25.6		Causes the relay software to start processing canister data.: DISABLE, 46	RELAY_CAN_START	04-014/13:36:10.3
22043	M1O	04-014/13:46:26.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-014/13:36:11.3
22044	M1O	04-014/13:46:27.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	04-014/13:36:12.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				BYPASS_COD, PSK		
22045	M1O	04-014/13:51:17.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/13:41:02.3
22046	M1O	04-014/13:51:27.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-014/13:41:12.3
22047	M1O	04-014/13:54:05.8		NOTE: Descending Node Crossing 9245		04-014/13:43:50.5
22048	M1O	04-014/14:03:54.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-014/13:53:39.3
22049	M1O	04-014/14:03:55.8		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-014/13:53:40.4
22050	M1O	04-014/14:04:05.8		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-014/13:53:50.4
22051	M1O	04-014/14:04:06.8		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-014/13:53:51.4
22052	M1O	04-014/14:04:07.8		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: NOM_TLM	DOWNLINK_MODE	04-014/13:53:52.4
22053	M1O	04-014/14:04:08.8		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-014/13:53:53.4
22054	M1O	04-014/14:23:25.3		NOTE: South Pole Crossing 9245		04-014/14:13:09.9
22055	M1O	04-014/14:23:54.0		NOTE: Periapsis 9245 ----------		04-014/14:13:38.5
22056	M1O	04-014/14:51:23.1		NOTE: Enter Solar Eclipse 9245		04-014/14:41:07.6
22057	M1O	04-014/14:52:43.7		NOTE: Ascending Node Crossing 9245		04-014/14:42:28.1
22058	M1O	04-014/15:00:00.0	63	Begin Pre-Cal		
22059	M1O	04-014/15:00:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
22060	M1O	04-014/15:00:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
22061	M1O	04-014/15:00:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
22062	M1O	04-014/15:00:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
22063	M1O	04-014/15:00:00.0	63	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
22064	M1O	04-014/15:00:00.0	63	Config: RCV: Parms:		
22065	M1O	04-014/15:00:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
22066	M1O	04-014/15:00:00.0	63	Config: TGC: BAND=X, SR=79632.000000		
22067	M1O	04-014/15:00:00.0	63	Config: TXL		
22068	M1O	04-014/15:00:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
22069	M1O	04-014/15:00:00.0	63	Config: CMD		
22070	M1O	04-014/15:00:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
22071	M1O	04-014/15:10:24.2		NOTE: Exit Solar Eclipse 9245		04-014/15:00:08.6
22072	M1O	04-014/15:16:05.6		NOTE: ENTER HGA KEEP OUT ZONE		
22073	M1O	04-014/15:21:57.5		NOTE: Enter Planetary Atmosphere 9245		04-014/15:11:41.9
22074	M1O	04-014/15:22:42.5		NOTE: North Pole Crossing 9245		04-014/15:12:26.9
22075	M1O	04-014/15:23:27.8		NOTE: Apoapsis 9245 -		04-014/15:13:12.2
22076	M1O	04-014/15:24:02.5		NOTE: Enter Earth Occultation 9245		04-014/15:13:46.8
22077	M1O	04-014/15:29:05.6		NOTE: EXIT HGA KEEP OUT ZONE		
22078	M1O	04-014/15:37:38.1		NOTE: Exit Earth Occultation 9245		04-014/15:27:22.4
22079	M1O	04-014/15:39:44.3		NOTE: Exit Planetary Atmosphere 9245		04-014/15:29:28.6
22080	M1O	04-014/15:52:42.7		NOTE: Descending Node Crossing 9246		04-014/15:42:26.9
22081	M1O	04-014/15:59:35.7		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-014/15:49:19.9
22082	M1O	04-014/15:59:35.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/15:49:20.0
22083	M1O	04-014/15:59:36.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-014/15:49:21.0
22084	M1O	04-014/15:59:37.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-014/15:49:22.0
22085	M1O	04-014/15:59:38.8		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-014/15:49:23.0
22086	M1O	04-014/15:59:39.8		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-014/15:49:24.0
22087	M1O	04-014/15:59:49.8		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-014/15:49:34.0
22088	M1O	04-014/15:59:59.8		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-014/15:49:44.0
22089	M1O	04-014/16:00:00.0	63	Begin Tracking		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
22090	M1O	04-014/16:00:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22091	M1O	04-014/16:00:00.7		NOTE: Changing to 70M downlink rate: 110600_BPS		04-014/15:49:44.9
22092	M1O	04-014/16:00:00.7		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	04-014/15:49:44.9
22093	M1O	04-014/16:00:00.7	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22094	M1O	04-014/16:01:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
22095	M1O	04-014/16:04:59.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-014/15:54:44.0
22096	M1O	04-014/16:05:00.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-014/15:54:45.0
22097	M1O	04-014/16:05:00.8	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22098	M1O	04-014/16:05:01.8		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-014/15:54:46.0
22099	M1O	04-014/16:06:00.0	63	Range Modulation On: SUP=3.0dB		
22100	M1O	04-014/16:07:00.0	63	Begin Ranging Acquisition		
22101	M1O	04-014/16:20:28.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-014/16:10:12.9
22102	M1O	04-014/16:20:30.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/16:10:15.0
22103	M1O	04-014/16:20:30.8	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22104	M1O	04-014/16:20:31.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-014/16:10:16.0
22105	M1O	04-014/16:21:31.5	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22106	M1O	04-014/16:22:01.6		NOTE: South Pole Crossing 9246		04-014/16:11:45.8
22107	M1O	04-014/16:22:43.8		NOTE: Periapsis 9246 ----------		04-014/16:12:28.0
22108	M1O	04-014/16:26:30.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-014/16:16:15.0
22109	M1O	04-014/16:26:30.8	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22110	M1O	04-014/16:26:31.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-014/16:16:16.0
22111	M1O	04-014/16:39:11.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
22112	M1O	04-014/16:49:11.0	63	Range Modulation Off		
22113	M1O	04-014/16:49:56.0		NOTE: Enter Solar Eclipse 9246		04-014/16:39:40.1
22114	M1O	04-014/16:51:18.9		NOTE: Ascending Node Crossing 9246		04-014/16:41:03.0
22115	M1O	04-014/16:54:11.0	63	X-Band Transmitter Off		
22116	M1O	04-014/17:09:01.3		NOTE: Exit Solar Eclipse 9246		04-014/16:58:45.3
22117	M1O	04-014/17:13:39.9		SPAWN, Engine = 65535, Parameters = 3, 00:28:05, 1	dpt	04-014/17:03:23.9
22118	M1O	04-014/17:13:42.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/17:03:26.0
22119	M1O	04-014/17:13:42.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22120	M1O	04-014/17:13:43.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-014/17:03:27.0
22121	M1O	04-014/17:14:42.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22122	M1O	04-014/17:14:43.0		NOTE: ENTER HGA KEEP OUT ZONE		
22123	M1O	04-014/17:14:43.0	63	NOTE: Loss Of X-Band Signal		
22124	M1O	04-014/17:16:16.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
22125	M1O	04-014/17:20:29.3		NOTE: Enter Planetary Atmosphere 9246		04-014/17:10:13.3
22126	M1O	04-014/17:21:16.0	63	Range Modulation On: SUP=3.0dB		
22127	M1O	04-014/17:21:17.6		NOTE: North Pole Crossing 9246		04-014/17:11:01.6
22128	M1O	04-014/17:22:05.0		NOTE: Apoapsis 9246 -		04-014/17:11:49.0
22129	M1O	04-014/17:22:16.0	63	Begin Ranging Acquisition		
22130	M1O	04-014/17:22:33.5		NOTE: Enter Earth Occultation 9246		04-014/17:12:17.5
22131	M1O	04-014/17:27:43.0		NOTE: EXIT HGA KEEP OUT ZONE		
22132	M1O	04-014/17:36:15.8		NOTE: Exit Earth Occultation 9246		04-014/17:25:59.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
22133	M1O	04-014/17:36:15.8	63	Acquisition Of X-Band Signal		
22134	M1O	04-014/17:36:15.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22135	M1O	04-014/17:36:48.0	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22136	M1O	04-014/17:37:33.0		SPAWN, Engine = 65535, Parameters = 014, 03, FALSE, 00:16:21.089, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-014/17:27:17.0
22137	M1O	04-014/17:37:34.1		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-014/17:27:18.1
22138	M1O	04-014/17:37:36.1		CALL, Engine = , Parameters = 56	get_cmd_opt	04-014/17:27:20.1
22139	M1O	04-014/17:38:18.3		CALL, Engine = , Parameters = 56	get_apid	04-014/17:28:02.3
22140	M1O	04-014/17:38:19.4		CALL, Engine = , Parameters = 56	get_rcv_mode	04-014/17:28:03.4
22141	M1O	04-014/17:38:19.6		CALL, Engine = , Parameters = 56	get_dl_rate	04-014/17:28:03.6
22142	M1O	04-014/17:38:20.7		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-014/17:28:04.7
22143	M1O	04-014/17:38:21.3		NOTE: Exit Planetary Atmosphere 9246		04-014/17:28:05.2
22144	M1O	04-014/17:38:21.9		CALL, Engine = , Parameters = 56	get_coding	04-014/17:28:05.9
22145	M1O	04-014/17:38:23.1		CALL, Engine = , Parameters = 56	get_xmt_mode	04-014/17:28:07.1
22146	M1O	04-014/17:38:24.3		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-014/17:28:08.3
22147	M1O	04-014/17:39:29.1		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-014/17:29:13.1
22148	M1O	04-014/17:39:30.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-014/17:29:14.1
22149	M1O	04-014/17:39:31.1		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-014/17:29:15.1
22150	M1O	04-014/17:39:32.1		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-014/17:29:16.1
22151	M1O	04-014/17:39:33.1		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-014/17:29:17.1
22152	M1O	04-014/17:39:34.1		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-014/17:29:18.1
22153	M1O	04-014/17:39:35.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-014/17:29:19.1
22154	M1O	04-014/17:41:47.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-014/17:31:31.0
22155	M1O	04-014/17:41:47.1	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22156	M1O	04-014/17:41:48.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-014/17:31:32.0
22157	M1O	04-014/17:51:17.6		NOTE: Descending Node Crossing 9247		04-014/17:41:01.5
22158	M1O	04-014/17:55:52.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-014/17:45:36.1
22159	M1O	04-014/17:55:53.4		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-014/17:45:37.2
22160	M1O	04-014/17:56:03.4		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-014/17:45:47.2
22161	M1O	04-014/17:56:04.4		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-014/17:45:48.2
22162	M1O	04-014/18:20:35.3		NOTE: South Pole Crossing 9247		04-014/18:10:19.0
22163	M1O	04-014/18:21:06.7		NOTE: Periapsis 9247 ----------		04-014/18:10:50.4
22164	M1O	04-014/18:37:43.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
22165	M1O	04-014/18:47:43.0	63	Range Modulation Off		
22166	M1O	04-014/18:48:27.7		NOTE: Enter Solar Eclipse 9247		04-014/18:38:11.4
22167	M1O	04-014/18:49:51.6		NOTE: Ascending Node Crossing 9247		04-014/18:39:35.3
22168	M1O	04-014/18:52:43.0	63	X-Band Transmitter Off		
22169	M1O	04-014/19:07:35.9		NOTE: Exit Solar Eclipse 9247		04-014/18:57:19.5
22170	M1O	04-014/19:12:13.4		SPAWN, Engine = 65535, Parameters = 3, 00:28:08, 1	dpt	04-014/19:01:57.0
22171	M1O	04-014/19:12:15.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/19:01:59.1
22172	M1O	04-014/19:12:15.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22173	M1O	04-014/19:12:16.5		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-014/19:02:00.1
22174	M1O	04-014/19:13:15.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
22175	M1O	04-014/19:13:17.3		NOTE: ENTER HGA KEEP OUT ZONE		
22176	M1O	04-014/19:13:17.3	63	NOTE: Loss Of X-Band Signal		
22177	M1O	04-014/19:14:51.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
22178	M1O	04-014/19:18:57.4		NOTE: Enter Planetary Atmosphere 9247		04-014/19:08:41.0
22179	M1O	04-014/19:19:50.0		NOTE: North Pole Crossing 9247		04-014/19:09:33.6
22180	M1O	04-014/19:19:51.0	63	Range Modulation On: SUP=3.0dB		
22181	M1O	04-014/19:20:18.1		NOTE: Apoapsis 9247 -		04-014/19:10:01.7
22182	M1O	04-014/19:20:51.0	63	Begin Ranging Acquisition		
22183	M1O	04-014/19:21:00.6		NOTE: Enter Earth Occultation 9247		04-014/19:10:44.2
22184	M1O	04-014/19:26:17.4		NOTE: EXIT HGA KEEP OUT ZONE		
22185	M1O	04-014/19:34:10.4		SPAWN, Engine = 65535, Parameters = 014, 04, FALSE, 00:17:54.234, 056, FALSE, 32_KPS, 00:06:00, 00:00:00	uhf	04-014/19:23:54.0
22186	M1O	04-014/19:34:11.5		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0450, 0x0000, 0x0000, 0x0004, 0x0001, 0x848E, 0x0000, 0x0000	GRS_PASS_THROUGH	04-014/19:23:55.1
22187	M1O	04-014/19:34:13.5		CALL, Engine = , Parameters = 56	get_cmd_opt	04-014/19:23:57.1
22188	M1O	04-014/19:34:51.8		NOTE: Exit Earth Occultation 9247		04-014/19:24:35.3
22189	M1O	04-014/19:34:51.8	63	Acquisition Of X-Band Signal		
22190	M1O	04-014/19:34:51.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22191	M1O	04-014/19:34:55.7		CALL, Engine = , Parameters = 56	get_apid	04-014/19:24:39.3
22192	M1O	04-014/19:34:56.8		CALL, Engine = , Parameters = 56	get_rcv_mode	04-014/19:24:40.4
22193	M1O	04-014/19:34:57.0		CALL, Engine = , Parameters = 56	get_dl_rate	04-014/19:24:40.6
22194	M1O	04-014/19:34:58.1		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-014/19:24:41.7
22195	M1O	04-014/19:34:59.3		CALL, Engine = , Parameters = 56	get_coding	04-014/19:24:42.9
22196	M1O	04-014/19:35:00.5		CALL, Engine = , Parameters = 56	get_xmt_mode	04-014/19:24:44.1
22197	M1O	04-014/19:35:01.7		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-014/19:24:45.3
22198	M1O	04-014/19:35:23.7	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22199	M1O	04-014/19:36:06.5		Starts the production of packets for the specified channelized APID.: 13	CHAN_APID_START	04-014/19:25:50.1
22200	M1O	04-014/19:36:07.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-014/19:25:51.1
22201	M1O	04-014/19:36:08.5		Turns power OFF or ON to the UHF transceiver.: ON	UHF_POWER	04-014/19:25:52.1
22202	M1O	04-014/19:36:09.5		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-014/19:25:53.1
22203	M1O	04-014/19:36:10.5		Causes the relay software to start processing canister data.: DISABLE, 47	RELAY_CAN_START	04-014/19:25:54.1
22204	M1O	04-014/19:36:11.5		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	04-014/19:25:55.1
22205	M1O	04-014/19:36:12.5		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-014/19:25:56.1
22206	M1O	04-014/19:36:56.3		NOTE: Exit Planetary Atmosphere 9247		04-014/19:26:39.8
22207	M1O	04-014/19:40:23.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-014/19:30:07.1
22208	M1O	04-014/19:40:23.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22209	M1O	04-014/19:40:24.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-014/19:30:08.1
22210	M1O	04-014/19:49:49.3		NOTE: Descending Node Crossing 9248		04-014/19:39:32.8
22211	M1O	04-014/19:54:02.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-014/19:43:46.3
22212	M1O	04-014/19:54:03.9		Turns power OFF or ON to the UHF transceiver.: OFF	UHF_POWER	04-014/19:43:47.4
22213	M1O	04-014/19:54:13.9		Stops the production of packets for the specified channelized APID.: 13	CHAN_APID_STOP	04-014/19:43:57.4
22214	M1O	04-014/19:54:14.9		Passes the specified amount of data, data size parameter, through the PACI interface.: 14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000	GRS_PASS_THROUGH	04-014/19:43:58.4
22215	M1O	04-014/20:19:06.5		NOTE: South Pole Crossing 9248		04-014/20:08:49.9
22216	M1O	04-014/20:19:19.7		NOTE: Periapsis 9248 ----------		04-014/20:09:03.1
22217	M1O	04-014/20:35:54.0	63	NOTE: X-Band Transmitter Off in 15 minutes		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
22218	M1O	04-014/20:45:54.0	63	Range Modulation Off		
22219	M1O	04-014/20:47:00.3		NOTE: Enter Solar Eclipse 9248		04-014/20:36:43.6
22220	M1O	04-014/20:48:23.2		NOTE: Ascending Node Crossing 9248		04-014/20:38:06.5
22221	M1O	04-014/20:50:54.0	63	X-Band Transmitter Off		
22222	M1O	04-014/21:06:06.6		NOTE: Exit Solar Eclipse 9248		04-014/20:55:49.8
22223	M1O	04-014/21:10:24.8		SPAWN, Engine = 65535, Parameters = 3, 00:28:25, 1	dpt	04-014/21:00:08.0
22224	M1O	04-014/21:10:26.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/21:00:10.1
22225	M1O	04-014/21:10:26.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22226	M1O	04-014/21:10:27.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-014/21:00:11.1
22227	M1O	04-014/21:11:27.3	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22228	M1O	04-014/21:11:28.7		NOTE: ENTER HGA KEEP OUT ZONE		
22229	M1O	04-014/21:11:28.7	63	NOTE: Loss Of X-Band Signal		
22230	M1O	04-014/21:13:19.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
22231	M1O	04-014/21:17:29.1		NOTE: Enter Planetary Atmosphere 9248		04-014/21:07:12.3
22232	M1O	04-014/21:18:19.0	63	Range Modulation On: SUP=3.0dB		
22233	M1O	04-014/21:18:21.2		NOTE: North Pole Crossing 9248		04-014/21:08:04.4
22234	M1O	04-014/21:18:47.3		NOTE: Apoapsis 9248 -		04-014/21:08:30.5
22235	M1O	04-014/21:19:19.0	63	Begin Ranging Acquisition		
22236	M1O	04-014/21:19:32.8		NOTE: Enter Earth Occultation 9248		04-014/21:09:16.0
22237	M1O	04-014/21:24:48.8		NOTE: EXIT HGA KEEP OUT ZONE		
22238	M1O	04-014/21:33:20.7		NOTE: Exit Earth Occultation 9248		04-014/21:23:03.9
22239	M1O	04-014/21:33:20.7	63	Acquisition Of X-Band Signal		
22240	M1O	04-014/21:33:20.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22241	M1O	04-014/21:33:52.5	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22242	M1O	04-014/21:35:25.6		NOTE: Exit Planetary Atmosphere 9248		04-014/21:25:08.8
22243	M1O	04-014/21:37:13.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
22244	M1O	04-014/21:38:52.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-014/21:28:35.1
22245	M1O	04-014/21:38:52.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22246	M1O	04-014/21:38:53.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-014/21:28:36.1
22247	M1O	04-014/21:47:13.0	63	Range Modulation Off		
22248	M1O	04-014/21:48:20.0		NOTE: Descending Node Crossing 9249		04-014/21:38:03.1
22249	M1O	04-014/21:52:13.0	63	X-Band Transmitter Off		
22250	M1O	04-014/22:00:00.0	14	Begin Pre-Cal		
22251	M1O	04-014/22:00:00.0	14	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
22252	M1O	04-014/22:00:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
22253	M1O	04-014/22:00:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
22254	M1O	04-014/22:00:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
22255	M1O	04-014/22:00:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
22256	M1O	04-014/22:00:00.0	14	Config: RCV: Parms:		
22257	M1O	04-014/22:00:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
22258	M1O	04-014/22:00:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
22259	M1O	04-014/22:00:00.0	14	Config: TXL		
22260	M1O	04-014/22:00:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
22261	M1O	04-014/22:00:00.0	14	Config: CMD		
22262	M1O	04-014/22:00:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
22263	M1O	04-014/22:01:20.9		SPAWN, Engine = 65535, Parameters = 01:15:00, 00:20:00, FALSE	map_desat	04-014/21:51:04.0
22264	M1O	04-014/22:01:21.0		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-014/21:51:04.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
22265	M1O	04-014/22:01:22.0		Forces a desaturation of the reaction wheels.	RW_DESAT	04-014/21:51:05.1
22266	M1O	04-014/22:04:35.9		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-014/21:54:19.0
22267	M1O	04-014/22:04:51.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-012T21:54:19.100, 2004-014T21:54:19.100	PCKTS_RE_TX_TIME	04-014/21:54:34.8
22268	M1O	04-014/22:04:52.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-012T21:54:19.100, 2004-014T21:54:19.100	PCKTS_RE_TX_TIME	04-014/21:54:35.8
22269	M1O	04-014/22:04:53.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-012T21:54:19.100, 2004-014T21:54:19.100	PCKTS_RE_TX_TIME	04-014/21:54:36.8
22270	M1O	04-014/22:04:54.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-012T21:54:19.100, 2004-014T21:54:19.100	PCKTS_RE_TX_TIME	04-014/21:54:37.8
22271	M1O	04-014/22:04:55.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-012T21:54:19.100, 2004-014T21:54:19.100	PCKTS_RE_TX_TIME	04-014/21:54:38.8
22272	M1O	04-014/22:04:56.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-012T21:54:19.100, 2004-014T21:54:19.100	PCKTS_RE_TX_TIME	04-014/21:54:39.8
22273	M1O	04-014/22:04:56.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-014/21:54:39.8
22274	M1O	04-014/22:04:56.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22275	M1O	04-014/22:11:57.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/22:01:40.8
22276	M1O	04-014/22:11:57.7	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22277	M1O	04-014/22:11:58.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-014/22:01:41.8
22278	M1O	04-014/22:12:14.7		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-014/22:01:57.8
22279	M1O	04-014/22:12:14.7	63	D/L RF Warning: SC antenna change - expect signal level variation		
22280	M1O	04-014/22:12:15.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-014/22:01:58.8
22281	M1O	04-014/22:12:46.7	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22282	M1O	04-014/22:12:52.0		CALL, Engine = , Parameters = FALSE	park_hga	04-014/22:02:35.1
22283	M1O	04-014/22:12:52.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/22:02:35.1
22284	M1O	04-014/22:12:53.0		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-014/22:02:36.1
22285	M1O	04-014/22:12:54.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-014/22:02:37.1
22286	M1O	04-014/22:12:54.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-014/22:02:37.1
22287	M1O	04-014/22:12:54.0		NOTE: START HGA PARK		
22288	M1O	04-014/22:12:54.0	63	NOTE: Loss Of X-Band Signal		
22289	M1O	04-014/22:12:55.0		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-014/22:02:38.1
22290	M1O	04-014/22:12:56.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-014/22:02:39.1
22291	M1O	04-014/22:17:26.0		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, 873, 873	APPNDG_GOTO_POS	04-014/22:07:09.1
22292	M1O	04-014/22:17:38.0		NOTE: South Pole Crossing 9249		04-014/22:07:21.0
22293	M1O	04-014/22:17:47.5		NOTE: Periapsis 9249 ----------		04-014/22:07:30.6
22294	M1O	04-014/22:20:56.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-014/22:10:39.1
22295	M1O	04-014/22:20:56.0		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-014/22:10:39.1
22296	M1O	04-014/22:45:34.0		NOTE: Enter Solar Eclipse 9249		04-014/22:35:17.0
22297	M1O	04-014/22:46:55.8		NOTE: Ascending Node Crossing 9249		04-014/22:36:38.7
22298	M1O	04-014/22:50:56.0		GV: GV_DESAT_ACTIVE = 1		04-014/22:40:39.0
22299	M1O	04-014/22:50:57.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	04-014/22:40:40.0
22300	M1O	04-014/22:50:57.0		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-014/22:40:40.0
22301	M1O	04-014/23:00:00.0	14	Begin Tracking		
22302	M1O	04-014/23:00:56.1		GV: GV_DESAT_ACTIVE = 0		04-014/22:50:39.0
22303	M1O	04-014/23:00:57.1		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-014/22:50:40.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_desat_stop.cfg		
22304	M1O	04-014/23:00:58.1		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-014/22:50:41.0
22305	M1O	04-014/23:00:59.1		CALL, Engine = , Parameters =	unpark_hga	04-014/22:50:42.0
22306	M1O	04-014/23:00:59.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-014/22:50:42.0
22307	M1O	04-014/23:01:00.1		Move the specified appendage o the specified gimbal angles unless inhibited by softstops.: HGA, -87, -87	APPNDG_GOTO_POS	04-014/22:50:43.0
22308	M1O	04-014/23:04:33.5		NOTE: Exit Solar Eclipse 9249		04-014/22:54:16.4
22309	M1O	04-014/23:05:30.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_vts.cfg,	FSW_OBJ_INITIAL	04-014/22:55:13.0
22310	M1O	04-014/23:05:31.1		Track specified target vector unless inhibited by softstops.: HGA, EARTH	APPNDG_TARG_VECT	04-014/22:55:14.0
22311	M1O	04-014/23:08:56.1		SPAWN, Engine = 65535, Parameters = 00:27:55.066	cstr	04-014/22:58:39.0
22312	M1O	04-014/23:08:56.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/22:58:39.1
22313	M1O	04-014/23:08:57.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-014/22:58:40.1
22314	M1O	04-014/23:08:58.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-014/22:58:41.1
22315	M1O	04-014/23:08:59.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	04-014/22:58:42.1
22316	M1O	04-014/23:09:00.2		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-014/22:58:43.1
22317	M1O	04-014/23:09:10.2		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	04-014/22:58:53.1
22318	M1O	04-014/23:09:20.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	04-014/22:59:03.1
22319	M1O	04-014/23:09:31.1		NOTE: EXIT HGA PARK		
22320	M1O	04-014/23:09:31.1	14	Acquisition Of X-Band Signal		
22321	M1O	04-014/23:09:31.1	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22322	M1O	04-014/23:09:31.1	63	Acquisition Of X-Band Signal		
22323	M1O	04-014/23:09:31.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22324	M1O	04-014/23:10:20.1		NOTE: ENTER HGA KEEP OUT ZONE		
22325	M1O	04-014/23:10:20.1	14	NOTE: Loss Of X-Band Signal		
22326	M1O	04-014/23:10:20.1	63	NOTE: Loss Of X-Band Signal		
22327	M1O	04-014/23:11:43.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
22328	M1O	04-014/23:16:12.1		NOTE: Enter Planetary Atmosphere 9249		04-014/23:05:55.0
22329	M1O	04-014/23:16:43.0	14	Range Modulation On: SUP=3.0dB		
22330	M1O	04-014/23:16:55.0		NOTE: North Pole Crossing 9249		04-014/23:06:37.9
22331	M1O	04-014/23:17:28.8		NOTE: Apoapsis 9249 -		04-014/23:07:11.7
22332	M1O	04-014/23:17:43.0	14	Begin Ranging Acquisition		
22333	M1O	04-014/23:18:18.3		NOTE: Enter Earth Occultation 9249		04-014/23:08:01.2
22334	M1O	04-014/23:18:26.0	63	NOTE: Below Uplink Interlock Limit		
22335	M1O	04-014/23:20:00.0	63	End Tracking		
22336	M1O	04-014/23:23:20.1		NOTE: EXIT HGA KEEP OUT ZONE		
22337	M1O	04-014/23:31:45.0		NOTE: Exit Earth Occultation 9249		04-014/23:21:27.8
22338	M1O	04-014/23:31:45.0	14	Acquisition Of X-Band Signal		
22339	M1O	04-014/23:31:45.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22340	M1O	04-014/23:32:17.2	14	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22341	M1O	04-014/23:33:39.5	14	NOTE: X-Band Transmitter Off in 15 minutes		
22342	M1O	04-014/23:33:52.5		NOTE: Exit Planetary Atmosphere 9249		04-014/23:23:35.3
22343	M1O	04-014/23:35:00.0	63	End Post-Cal		
22344	M1O	04-014/23:37:15.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-014/23:26:58.1
22345	M1O	04-014/23:37:16.3		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-014/23:26:59.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
22346	M1O	04-014/23:37:16.3	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22347	M1O	04-014/23:37:17.3		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	04-014/23:27:00.1
22348	M1O	04-014/23:43:40.0	14	Range Modulation Off		
22349	M1O	04-014/23:46:55.1		NOTE: Descending Node Crossing 9250		04-014/23:36:37.8
22350	M1O	04-014/23:48:39.5	14	X-Band Transmitter Off		
22351	M1O	04-015/00:00:00.0		Light Time: OWLT = 10:17, RTLT = 20:34		
22352	M1O	04-015/00:01:01.2		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-014/23:50:44.0
22353	M1O	04-015/00:01:17.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-012T23:50:44.100, 2004-014T23:50:44.100	PCKTS_RE_TX_TIME	04-014/23:50:59.8
22354	M1O	04-015/00:01:18.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2004-012T23:50:44.100, 2004-014T23:50:44.100	PCKTS_RE_TX_TIME	04-014/23:51:00.8
22355	M1O	04-015/00:01:19.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-012T23:50:44.100, 2004-014T23:50:44.100	PCKTS_RE_TX_TIME	04-014/23:51:01.8
22356	M1O	04-015/00:01:20.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2004-012T23:50:44.100, 2004-014T23:50:44.100	PCKTS_RE_TX_TIME	04-014/23:51:02.8
22357	M1O	04-015/00:01:21.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2004-012T23:50:44.100, 2004-014T23:50:44.100	PCKTS_RE_TX_TIME	04-014/23:51:03.8
22358	M1O	04-015/00:01:22.0		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-012T23:50:44.100, 2004-014T23:50:44.100	PCKTS_RE_TX_TIME	04-014/23:51:04.8
22359	M1O	04-015/00:01:22.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_auto_rexmit.cfg,	FSW_OBJ_INITIAL	04-014/23:51:04.8
22360	M1O	04-015/00:01:22.0	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22361	M1O	04-015/00:08:23.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-014/23:58:05.8
22362	M1O	04-015/00:08:23.1	14	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22363	M1O	04-015/00:08:24.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-014/23:58:06.8
22364	M1O	04-015/00:08:40.1		Selects whether HGA or the LGA will be used for receipt of uplink commands.: LGA2	RCVR_SELECT	04-014/23:58:22.8
22365	M1O	04-015/00:08:40.1	14	D/L RF Warning: SC antenna change - expect signal level variation		
22366	M1O	04-015/00:08:41.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-014/23:58:23.8
22367	M1O	04-015/00:09:14.0	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
22368	M1O	04-015/00:10:14.3		Loads the disignated sequence block from the file system.: 65535, d:/seq/cz504.abs	VM_LOAD	04-014/23:59:57.0
22369	M1O	04-015/00:10:15.3		Loads the disignated sequence block from the file system.: 65535, d:/seq/cm037.abs	VM_LOAD	04-014/23:59:58.0
22370	M1O	04-015/00:16:13.3		NOTE: South Pole Crossing 9250		04-015/00:05:56.0
22371	M1O	04-015/00:16:30.2		NOTE: Periapsis 9250 ----------		04-015/00:06:12.8