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	03-354/07:14:59.2		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
1274	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
1275	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		
1276	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		
1277	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
1278	M1O	03-354/07:16:00.0	43	Range Modulation On: SUP=3.0dB		
1279	M1O	03-354/07:17:00.0	43	Begin Ranging Acquisition		
1280	M1O	03-354/07:25:00.0	25	End Tracking		
1281	M1O	03-354/07:26:44.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-354/07:18:21.0
1282	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
1283	M1O	03-354/07:26:46.6	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1284	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
1285	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		
1286	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
1287	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		
1288	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
1289	M1O	03-354/07:40:00.0	25	End Post-Cal		
1290	M1O	03-354/07:41:48.3		NOTE: South Pole Crossing 8938		03-354/07:33:24.9
1291	M1O	03-354/07:42:44.2		NOTE: Periapsis 8938 ----------		03-354/07:34:20.8
1292	M1O	03-354/07:58:57.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
1293	M1O	03-354/08:08:57.0	43	Range Modulation Off		
1294	M1O	03-354/08:10:53.2		NOTE: Enter Solar Eclipse 8938		03-354/08:02:29.7
1295	M1O	03-354/08:11:08.5		NOTE: Ascending Node Crossing 8938		03-354/08:02:44.9
1296	M1O	03-354/08:13:57.0	43	X-Band Transmitter Off		
1297	M1O	03-354/08:29:41.7		SPAWN, Engine = 65535, Parameters = 3, 00:36:45, 1	dpt	03-354/08:21:18.0
1298	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
1299	M1O	03-354/08:29:43.8	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1300	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
1301	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, ANT=HGA		
1302	M1O	03-354/08:30:45.6		NOTE: ENTER HGA KEEP OUT ZONE		
1303	M1O	03-354/08:30:45.6	43	NOTE: Loss Of X-Band Signal		
1304	M1O	03-354/08:33:36.4		NOTE: Exit Solar Eclipse 8938		03-354/08:25:12.8
1305	M1O	03-354/08:38:41.5		NOTE: Enter Planetary Atmosphere 8938		03-354/08:30:17.8
1306	M1O	03-354/08:40:04.0		NOTE: Enter Earth Occultation 8938		03-354/08:31:40.4
1307	M1O	03-354/08:41:04.8		NOTE: North Pole Crossing 8938		03-354/08:32:41.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1308	M1O	03-354/08:42:36.6		NOTE: Apoapsis 8938 -		03-354/08:34:13.0
1309	M1O	03-354/08:44:42.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1310	M1O	03-354/08:49:42.0	43	Range Modulation On: SUP=3.0dB		
1311	M1O	03-354/08:50:42.0	43	Begin Ranging Acquisition		
1312	M1O	03-354/08:53:25.6		NOTE: EXIT HGA KEEP OUT ZONE		
1313	M1O	03-354/09:00:56.9		NOTE: Exit Earth Occultation 8938		03-354/08:52:33.2
1314	M1O	03-354/09:00:56.9	43	Acquisition Of X-Band Signal		
1315	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		
1316	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		
1317	M1O	03-354/09:02:20.5		NOTE: Exit Planetary Atmosphere 8938		03-354/08:53:56.8
1318	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
1319	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		
1320	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
1321	M1O	03-354/09:11:03.5		NOTE: Descending Node Crossing 8939		03-354/09:02:39.8
1322	M1O	03-354/09:28:12.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
1323	M1O	03-354/09:38:12.0	43	Range Modulation Off		
1324	M1O	03-354/09:40:25.6		NOTE: South Pole Crossing 8939		03-354/09:32:01.8
1325	M1O	03-354/09:41:22.3		NOTE: Periapsis 8939 ----------		03-354/09:32:58.5
1326	M1O	03-354/09:43:12.0	43	X-Band Transmitter Off		
1327	M1O	03-354/09:43:12.2	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
1328	M1O	03-354/09:51:48.8		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-354/09:43:25.0
1329	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
1330	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
1331	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
1332	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
1333	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
1334	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
1335	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
1336	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		
1337	M1O	03-354/09:59:10.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-354/09:50:46.8
1338	M1O	03-354/09:59:10.6	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
1339	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
1340	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
1341	M1O	03-354/09:59:27.6	43	D/L RF Warning: SC antenna change - expect signal level variation		
1342	M1O	03-354/09:59:28.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-354/09:51:04.8
1343	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		
1344	M1O	03-354/10:00:00.0	43	End Tracking		
1345	M1O	03-354/10:09:29.6		NOTE: Enter Solar Eclipse 8939		03-354/10:01:05.6
1346	M1O	03-354/10:09:45.4		NOTE: Ascending Node Crossing 8939		03-354/10:01:21.5
1347	M1O	03-354/10:15:00.0	43	End Post-Cal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1348	M1O	03-354/10:29:23.9		NOTE: ENTER HGA KEEP OUT ZONE		
1349	M1O	03-354/10:32:12.6		NOTE: Exit Solar Eclipse 8939		03-354/10:23:48.6
1350	M1O	03-354/10:37:17.9		NOTE: Enter Planetary Atmosphere 8939		03-354/10:28:53.9
1351	M1O	03-354/10:38:40.3		NOTE: Enter Earth Occultation 8939		03-354/10:30:16.3
1352	M1O	03-354/10:39:41.6		NOTE: North Pole Crossing 8939		03-354/10:31:17.6
1353	M1O	03-354/10:40:59.4		NOTE: Apoapsis 8939 -		03-354/10:32:35.4
1354	M1O	03-354/10:52:04.0		NOTE: EXIT HGA KEEP OUT ZONE		
1355	M1O	03-354/10:59:34.1		NOTE: Exit Earth Occultation 8939		03-354/10:51:10.0
1356	M1O	03-354/11:00:57.7		NOTE: Exit Planetary Atmosphere 8939		03-354/10:52:33.6
1357	M1O	03-354/11:09:40.2		NOTE: Descending Node Crossing 8940		03-354/11:01:16.1
1358	M1O	03-354/11:39:02.4		NOTE: South Pole Crossing 8940		03-354/11:30:38.2
1359	M1O	03-354/11:39:55.4		NOTE: Periapsis 8940 ----------		03-354/11:31:31.2
1360	M1O	03-354/12:08:06.1		NOTE: Enter Solar Eclipse 8940		03-354/11:59:41.8
1361	M1O	03-354/12:08:22.2		NOTE: Ascending Node Crossing 8940		03-354/11:59:57.9
1362	M1O	03-354/12:28:00.3		NOTE: ENTER HGA KEEP OUT ZONE		
1363	M1O	03-354/12:30:51.5		NOTE: Exit Solar Eclipse 8940		03-354/12:22:27.2
1364	M1O	03-354/12:35:49.4		NOTE: Enter Planetary Atmosphere 8940		03-354/12:27:25.1
1365	M1O	03-354/12:37:11.5		NOTE: Enter Earth Occultation 8940		03-354/12:28:47.1
1366	M1O	03-354/12:38:17.4		NOTE: North Pole Crossing 8940		03-354/12:29:53.1
1367	M1O	03-354/12:39:22.6		NOTE: Apoapsis 8940 -		03-354/12:30:58.2
1368	M1O	03-354/12:50:40.3		NOTE: EXIT HGA KEEP OUT ZONE		
1369	M1O	03-354/12:58:11.7		NOTE: Exit Earth Occultation 8940		03-354/12:49:47.3
1370	M1O	03-354/12:59:34.8		NOTE: Exit Planetary Atmosphere 8940		03-354/12:51:10.4
1371	M1O	03-354/13:08:14.7		NOTE: Descending Node Crossing 8941		03-354/12:59:50.2
1372	M1O	03-354/13:37:36.8		NOTE: South Pole Crossing 8941		03-354/13:29:12.3
1373	M1O	03-354/13:38:32.4		NOTE: Periapsis 8941 ----------		03-354/13:30:07.8
1374	M1O	03-354/14:06:39.5		NOTE: Enter Solar Eclipse 8941		03-354/13:58:14.9
1375	M1O	03-354/14:06:56.6		NOTE: Ascending Node Crossing 8941		03-354/13:58:31.9
1376	M1O	03-354/14:26:34.6		NOTE: ENTER HGA KEEP OUT ZONE		
1377	M1O	03-354/14:29:28.5		NOTE: Exit Solar Eclipse 8941		03-354/14:21:03.8
1378	M1O	03-354/14:34:18.2		NOTE: Enter Planetary Atmosphere 8941		03-354/14:25:53.5
1379	M1O	03-354/14:35:39.9		NOTE: Enter Earth Occultation 8941		03-354/14:27:15.2
1380	M1O	03-354/14:36:50.7		NOTE: North Pole Crossing 8941		03-354/14:28:26.0
1381	M1O	03-354/14:38:09.6		NOTE: Apoapsis 8941 -		03-354/14:29:44.9
1382	M1O	03-354/14:40:00.0	54	Begin Pre-Cal		
1383	M1O	03-354/14:40:00.0	54	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
1384	M1O	03-354/14:40:00.0	54	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
1385	M1O	03-354/14:40:00.0	54	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
1386	M1O	03-354/14:40:00.0	54	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1387	M1O	03-354/14:40:00.0	54	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
1388	M1O	03-354/14:40:00.0	54	Config: RCV: Parms:		
1389	M1O	03-354/14:40:00.0	54	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
1390	M1O	03-354/14:40:00.0	54	Config: TGC: BAND=X, SR=221200.000000		
1391	M1O	03-354/14:40:00.0	54	Config: TXL		
1392	M1O	03-354/14:40:00.0	54	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
1393	M1O	03-354/14:40:00.0	54	Config: CMD		
1394	M1O	03-354/14:40:00.0	54	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
1395	M1O	03-354/14:49:14.7		NOTE: EXIT HGA KEEP OUT ZONE		
1396	M1O	03-354/14:56:46.3		NOTE: Exit Earth Occultation 8941		03-354/14:48:21.5
1397	M1O	03-354/14:58:09.0		NOTE: Exit Planetary Atmosphere 8941		03-354/14:49:44.2
1398	M1O	03-354/15:06:47.0		NOTE: Descending Node Crossing 8942		03-354/14:58:22.2
1399	M1O	03-354/15:36:08.4		NOTE: South Pole Crossing 8942		03-354/15:27:43.5
1400	M1O	03-354/15:37:03.3		NOTE: Periapsis 8942 ----------		03-354/15:28:38.4
1401	M1O	03-354/15:54:35.6		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-354/15:46:10.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1402	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
1403	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
1404	M1O	03-354/15:54:37.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-354/15:46:12.8
1405	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
1406	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
1407	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
1408	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
1409	M1O	03-354/15:55:00.0	54	Begin Tracking		
1410	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		
1411	M1O	03-354/15:55:00.6		NOTE: Changing to 34M (BWG) downlink rate: 66360_BPS		03-354/15:46:35.7
1412	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
1413	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		
1414	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
1415	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
1416	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		
1417	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
1418	M1O	03-354/16:05:09.9		NOTE: Enter Solar Eclipse 8942		03-354/15:56:44.9
1419	M1O	03-354/16:05:27.5		NOTE: Ascending Node Crossing 8942		03-354/15:57:02.6
1420	M1O	03-354/16:24:05.0		SPAWN, Engine = 65535, Parameters = 3, 00:36:42.171, 1	dpt	03-354/16:15:40.0
1421	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
1422	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		
1423	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
1424	M1O	03-354/16:25:07.0		NOTE: ENTER HGA KEEP OUT ZONE		
1425	M1O	03-354/16:25:07.0	54	NOTE: Loss Of X-Band Signal		
1426	M1O	03-354/16:27:59.2		NOTE: Exit Solar Eclipse 8942		03-354/16:19:34.2
1427	M1O	03-354/16:32:49.2		NOTE: Enter Planetary Atmosphere 8942		03-354/16:24:24.1
1428	M1O	03-354/16:34:10.9		NOTE: Enter Earth Occultation 8942		03-354/16:25:45.8
1429	M1O	03-354/16:35:22.0		NOTE: North Pole Crossing 8942		03-354/16:26:56.9
1430	M1O	03-354/16:36:40.0		NOTE: Apoapsis 8942 -		03-354/16:28:14.9
1431	M1O	03-354/16:39:00.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1432	M1O	03-354/16:44:00.0	54	Range Modulation On: SUP=3.0dB		
1433	M1O	03-354/16:45:00.0	54	Begin Ranging Acquisition		
1434	M1O	03-354/16:47:47.1		NOTE: EXIT HGA KEEP OUT ZONE		
1435	M1O	03-354/16:55:17.4		NOTE: Exit Earth Occultation 8942		03-354/16:46:52.3
1436	M1O	03-354/16:55:17.4	54	Acquisition Of X-Band Signal		
1437	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		
1438	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		
1439	M1O	03-354/16:56:40.2		NOTE: Exit Planetary Atmosphere 8942		03-354/16:48:15.1
1440	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
1441	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		
1442	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
1443	M1O	03-354/17:05:18.6		NOTE: Descending Node Crossing 8943		03-354/16:56:53.4
1444	M1O	03-354/17:34:39.5		NOTE: South Pole Crossing 8943		03-354/17:26:14.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1445	M1O	03-354/17:35:13.8		NOTE: Periapsis 8943 ----------		03-354/17:26:48.6
1446	M1O	03-354/17:51:46.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
1447	M1O	03-354/18:01:46.0	54	Range Modulation Off		
1448	M1O	03-354/18:03:43.0		NOTE: Enter Solar Eclipse 8943		03-354/17:55:17.7
1449	M1O	03-354/18:03:59.1		NOTE: Ascending Node Crossing 8943		03-354/17:55:33.7
1450	M1O	03-354/18:06:46.0	54	X-Band Transmitter Off		
1451	M1O	03-354/18:22:34.6		SPAWN, Engine = 65535, Parameters = 3, 00:36:42, 1	dpt	03-354/18:14:09.2
1452	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
1453	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		
1454	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
1455	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		
1456	M1O	03-354/18:23:38.3		NOTE: ENTER HGA KEEP OUT ZONE		
1457	M1O	03-354/18:23:38.3	54	NOTE: Loss Of X-Band Signal		
1458	M1O	03-354/18:26:26.4		NOTE: Exit Solar Eclipse 8943		03-354/18:18:01.0
1459	M1O	03-354/18:31:26.6		NOTE: Enter Planetary Atmosphere 8943		03-354/18:23:01.2
1460	M1O	03-354/18:32:48.8		NOTE: Enter Earth Occultation 8943		03-354/18:24:23.3
1461	M1O	03-354/18:33:54.7		NOTE: North Pole Crossing 8943		03-354/18:25:29.3
1462	M1O	03-354/18:34:51.3		NOTE: Apoapsis 8943 -		03-354/18:26:25.9
1463	M1O	03-354/18:37:28.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1464	M1O	03-354/18:42:28.0	54	Range Modulation On: SUP=3.0dB		
1465	M1O	03-354/18:43:28.0	54	Begin Ranging Acquisition		
1466	M1O	03-354/18:46:18.4		NOTE: EXIT HGA KEEP OUT ZONE		
1467	M1O	03-354/18:53:47.3		NOTE: Exit Earth Occultation 8943		03-354/18:45:21.8
1468	M1O	03-354/18:53:47.3	54	Acquisition Of X-Band Signal		
1469	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		
1470	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		
1471	M1O	03-354/18:55:10.6		NOTE: Exit Planetary Atmosphere 8943		03-354/18:46:45.1
1472	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
1473	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		
1474	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
1475	M1O	03-354/19:03:52.1		NOTE: Descending Node Crossing 8944		03-354/18:55:26.6
1476	M1O	03-354/19:33:14.3		NOTE: South Pole Crossing 8944		03-354/19:24:48.7
1477	M1O	03-354/19:33:48.7		NOTE: Periapsis 8944 ----------		03-354/19:25:23.1
1478	M1O	03-354/19:50:19.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
1479	M1O	03-354/20:00:19.0	54	Range Modulation Off		
1480	M1O	03-354/20:02:20.0		NOTE: Enter Solar Eclipse 8944		03-354/19:53:54.3
1481	M1O	03-354/20:02:35.0		NOTE: Ascending Node Crossing 8944		03-354/19:54:09.3
1482	M1O	03-354/20:05:19.0	54	X-Band Transmitter Off		
1483	M1O	03-354/20:13:59.7		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-354/20:05:34.0
1484	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
1485	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
1486	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
1487	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
1488	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
1489	M1O	03-354/20:14:20.5		Queues in the retransmit buffer, by time range, designated packet from the specified	PCKTS_RE_TX_TIME	03-354/20:05:54.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 13, 2003-352T20:05:34.100, 2003-354T20:05:34.100		
1490	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
1491	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		
1492	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
1493	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		
1494	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
1495	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
1496	M1O	03-354/20:21:38.5	54	D/L RF Warning: SC antenna change - expect signal level variation		
1497	M1O	03-354/20:21:39.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-354/20:13:13.8
1498	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		
1499	M1O	03-354/20:22:11.7		NOTE: ENTER HGA KEEP OUT ZONE		
1500	M1O	03-354/20:22:11.7	54	NOTE: Loss Of X-Band Signal		
1501	M1O	03-354/20:24:59.3		NOTE: Exit Solar Eclipse 8944		03-354/20:16:33.5
1502	M1O	03-354/20:30:04.9		NOTE: Enter Planetary Atmosphere 8944		03-354/20:21:39.1
1503	M1O	03-354/20:31:27.4		NOTE: Enter Earth Occultation 8944		03-354/20:23:01.6
1504	M1O	03-354/20:32:30.5		NOTE: North Pole Crossing 8944		03-354/20:24:04.7
1505	M1O	03-354/20:33:39.5		NOTE: Apoapsis 8944 -		03-354/20:25:13.7
1506	M1O	03-354/20:44:51.8		NOTE: EXIT HGA KEEP OUT ZONE		
1507	M1O	03-354/20:52:20.3		NOTE: Exit Earth Occultation 8944		03-354/20:43:54.5
1508	M1O	03-354/20:52:20.3	54	Acquisition Of X-Band Signal		
1509	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		
1510	M1O	03-354/20:53:43.9		NOTE: Exit Planetary Atmosphere 8944		03-354/20:45:18.0
1511	M1O	03-354/21:00:00.0	54	End Tracking		
1512	M1O	03-354/21:02:28.0		NOTE: Descending Node Crossing 8945		03-354/20:54:02.2
1513	M1O	03-354/21:15:00.0	54	End Post-Cal		
1514	M1O	03-354/21:31:51.4		NOTE: South Pole Crossing 8945		03-354/21:23:25.4
1515	M1O	03-354/21:32:53.8		NOTE: Periapsis 8945 ----------		03-354/21:24:27.8
1516	M1O	03-354/22:00:00.0	14	Begin Pre-Cal		
1517	M1O	03-354/22:00:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
1518	M1O	03-354/22:00:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
1519	M1O	03-354/22:00:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
1520	M1O	03-354/22:00:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1521	M1O	03-354/22:00:00.0	14	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
1522	M1O	03-354/22:00:00.0	14	Config: RCV: Parms:		
1523	M1O	03-354/22:00:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
1524	M1O	03-354/22:00:00.0	14	Config: TGC: BAND=X, SR=132720.000000		
1525	M1O	03-354/22:00:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
1526	M1O	03-354/22:00:56.3		NOTE: Enter Solar Eclipse 8945		03-354/21:52:30.3
1527	M1O	03-354/22:01:12.4		NOTE: Ascending Node Crossing 8945		03-354/21:52:46.4
1528	M1O	03-354/22:20:48.1		NOTE: ENTER HGA KEEP OUT ZONE		
1529	M1O	03-354/22:23:35.9		NOTE: Exit Solar Eclipse 8945		03-354/22:15:09.8
1530	M1O	03-354/22:28:41.5		NOTE: Enter Planetary Atmosphere 8945		03-354/22:20:15.4
1531	M1O	03-354/22:30:04.2		NOTE: Enter Earth Occultation 8945		03-354/22:21:38.0
1532	M1O	03-354/22:31:07.3		NOTE: North Pole Crossing 8945		03-354/22:22:41.2
1533	M1O	03-354/22:32:55.3		NOTE: Apoapsis 8945 -		03-354/22:24:29.2
1534	M1O	03-354/22:43:28.1		NOTE: EXIT HGA KEEP OUT ZONE		
1535	M1O	03-354/22:50:55.5		NOTE: Exit Earth Occultation 8945		03-354/22:42:29.3
1536	M1O	03-354/22:52:19.1		NOTE: Exit Planetary Atmosphere 8945		03-354/22:43:52.9
1537	M1O	03-354/23:01:05.0		NOTE: Descending Node Crossing 8946		03-354/22:52:38.8
1538	M1O	03-354/23:14:35.9		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-354/23:06:09.6
1539	M1O	03-354/23:14:36.0		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	03-354/23:06:09.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
1540	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
1541	M1O	03-354/23:14:38.0		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-354/23:06:11.7
1542	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
1543	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
1544	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
1545	M1O	03-354/23:15:00.0	14	Begin Tracking		
1546	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		
1547	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
1548	M1O	03-354/23:15:00.9		NOTE: Changing to 70M downlink rate: 110600_BPS		03-354/23:06:34.6
1549	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
1550	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		
1551	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
1552	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
1553	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		
1554	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
1555	M1O	03-354/23:30:28.4		NOTE: South Pole Crossing 8946		03-354/23:22:02.1
1556	M1O	03-354/23:31:55.1		NOTE: Periapsis 8946 ----------		03-354/23:23:28.8
1557	M1O	03-354/23:59:30.6		NOTE: Enter Solar Eclipse 8946		03-354/23:51:04.2
1558	M1O	03-354/23:59:48.7		NOTE: Ascending Node Crossing 8946		03-354/23:51:22.3
1559	M1O	03-355/00:00:00.0		Light Time: OWLT = 08:26, RTLT = 16:52		
1560	M1O	03-355/00:18:23.4		SPAWN, Engine = 65535, Parameters = 3, 00:36:06.572, 1	dpt	03-355/00:09:57.0
1561	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
1562	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		
1563	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
1564	M1O	03-355/00:19:25.4		NOTE: ENTER HGA KEEP OUT ZONE		
1565	M1O	03-355/00:19:25.4	14	NOTE: Loss Of X-Band Signal		
1566	M1O	03-355/00:22:13.0		NOTE: Exit Solar Eclipse 8946		03-355/00:13:46.5
1567	M1O	03-355/00:27:16.1		NOTE: Enter Planetary Atmosphere 8946		03-355/00:18:49.6
1568	M1O	03-355/00:28:38.6		NOTE: Enter Earth Occultation 8946		03-355/00:20:12.1
1569	M1O	03-355/00:29:43.5		NOTE: North Pole Crossing 8946		03-355/00:21:17.1
1570	M1O	03-355/00:31:49.6		NOTE: Apoapsis 8946 -		03-355/00:23:23.1
1571	M1O	03-355/00:42:05.5		NOTE: EXIT HGA KEEP OUT ZONE		
1572	M1O	03-355/00:49:32.1		NOTE: Exit Earth Occultation 8946		03-355/00:41:05.5
1573	M1O	03-355/00:49:32.1	14	Acquisition Of X-Band Signal		
1574	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		
1575	M1O	03-355/00:50:55.6		NOTE: Exit Planetary Atmosphere 8946		03-355/00:42:29.1
1576	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
1577	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		
1578	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
1579	M1O	03-355/00:59:41.5		NOTE: Descending Node Crossing 8947		03-355/00:51:14.9
1580	M1O	03-355/01:29:03.7		NOTE: South Pole Crossing 8947		03-355/01:20:37.1
1581	M1O	03-355/01:30:31.8		NOTE: Periapsis 8947 ----------		03-355/01:22:05.1
1582	M1O	03-355/01:58:02.5		NOTE: Enter Solar Eclipse 8947		03-355/01:49:35.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1583	M1O	03-355/01:58:22.7		NOTE: Ascending Node Crossing 8947		03-355/01:49:56.0
1584	M1O	03-355/02:16:59.8		SPAWN, Engine = 65535, Parameters = 3, 00:36:06.099, 1	dpt	03-355/02:08:33.0
1585	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
1586	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		
1587	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
1588	M1O	03-355/02:18:01.8		NOTE: ENTER HGA KEEP OUT ZONE		
1589	M1O	03-355/02:18:01.8	14	NOTE: Loss Of X-Band Signal		
1590	M1O	03-355/02:20:48.9		NOTE: Exit Solar Eclipse 8947		03-355/02:12:22.1
1591	M1O	03-355/02:25:46.7		NOTE: Enter Planetary Atmosphere 8947		03-355/02:17:19.9
1592	M1O	03-355/02:27:09.0		NOTE: Enter Earth Occultation 8947		03-355/02:18:42.1
1593	M1O	03-355/02:28:17.4		NOTE: North Pole Crossing 8947		03-355/02:19:50.6
1594	M1O	03-355/02:30:09.4		NOTE: Apoapsis 8947 -		03-355/02:21:42.5
1595	M1O	03-355/02:40:41.8		NOTE: EXIT HGA KEEP OUT ZONE		
1596	M1O	03-355/02:48:08.0		NOTE: Exit Earth Occultation 8947		03-355/02:39:41.0
1597	M1O	03-355/02:48:08.0	14	Acquisition Of X-Band Signal		
1598	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		
1599	M1O	03-355/02:49:31.3		NOTE: Exit Planetary Atmosphere 8947		03-355/02:41:04.3
1600	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
1601	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		
1602	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
1603	M1O	03-355/02:58:15.0		NOTE: Descending Node Crossing 8948		03-355/02:49:48.0
1604	M1O	03-355/03:27:36.1		NOTE: South Pole Crossing 8948		03-355/03:19:09.1
1605	M1O	03-355/03:28:42.7		NOTE: Periapsis 8948 ----------		03-355/03:20:15.7
1606	M1O	03-355/03:56:34.3		NOTE: Enter Solar Eclipse 8948		03-355/03:48:07.2
1607	M1O	03-355/03:56:54.6		NOTE: Ascending Node Crossing 8948		03-355/03:48:27.5
1608	M1O	03-355/04:15:33.1		SPAWN, Engine = 65535, Parameters = 3, 00:36:04.727, 1	dpt	03-355/04:07:06.0
1609	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
1610	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		
1611	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
1612	M1O	03-355/04:16:35.1		NOTE: ENTER HGA KEEP OUT ZONE		
1613	M1O	03-355/04:16:35.1	14	NOTE: Loss Of X-Band Signal		
1614	M1O	03-355/04:19:22.1		NOTE: Exit Solar Eclipse 8948		03-355/04:10:55.0
1615	M1O	03-355/04:24:15.2		NOTE: Enter Planetary Atmosphere 8948		03-355/04:15:48.0
1616	M1O	03-355/04:25:37.2		NOTE: Enter Earth Occultation 8948		03-355/04:17:10.0
1617	M1O	03-355/04:26:48.7		NOTE: North Pole Crossing 8948		03-355/04:18:21.5
1618	M1O	03-355/04:28:23.7		NOTE: Apoapsis 8948 -		03-355/04:19:56.5
1619	M1O	03-355/04:39:15.2		NOTE: EXIT HGA KEEP OUT ZONE		
1620	M1O	03-355/04:46:39.9		NOTE: Exit Earth Occultation 8948		03-355/04:38:12.7
1621	M1O	03-355/04:46:39.9	14	Acquisition Of X-Band Signal		
1622	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		
1623	M1O	03-355/04:48:03.0		NOTE: Exit Planetary Atmosphere 8948		03-355/04:39:35.7
1624	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
1625	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		
1626	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1627	M1O	03-355/04:56:45.2		NOTE: Descending Node Crossing 8949		03-355/04:48:18.0
1628	M1O	03-355/05:00:00.0	43	Begin Pre-Cal		
1629	M1O	03-355/05:00:00.0	43	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
1630	M1O	03-355/05:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
1631	M1O	03-355/05:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
1632	M1O	03-355/05:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1633	M1O	03-355/05:00:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
1634	M1O	03-355/05:00:00.0	43	Config: RCV: Parms:		
1635	M1O	03-355/05:00:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
1636	M1O	03-355/05:00:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
1637	M1O	03-355/05:00:00.0	43	Config: TXL		
1638	M1O	03-355/05:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
1639	M1O	03-355/05:00:00.0	43	Config: CMD		
1640	M1O	03-355/05:00:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
1641	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
1642	M1O	03-355/05:09:46.4		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-355/05:01:19.1
1643	M1O	03-355/05:09:47.4		Forces a desaturation of the reaction wheels.	RW_DESAT	03-355/05:01:20.1
1644	M1O	03-355/05:13:09.3		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-355/05:04:42.0
1645	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
1646	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
1647	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
1648	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
1649	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
1650	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
1651	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
1652	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		
1653	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
1654	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		
1655	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
1656	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
1657	M1O	03-355/05:20:48.1	14	D/L RF Warning: SC antenna change - expect signal level variation		
1658	M1O	03-355/05:20:49.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-355/05:12:21.8
1659	M1O	03-355/05:21:17.4		CALL, Engine = , Parameters = FALSE	park_hga	03-355/05:12:50.1
1660	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
1661	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
1662	M1O	03-355/05:21:19.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-355/05:12:52.1
1663	M1O	03-355/05:21:19.4		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-355/05:12:52.1
1664	M1O	03-355/05:21:19.4		NOTE: START HGA PARK		
1665	M1O	03-355/05:21:19.4	14	NOTE: Loss Of X-Band Signal		
1666	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
1667	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
1668	M1O	03-355/05:25:51.4		Move the specified appendage o the specified gimbal angles unless inhibited by	APPNDG_GOTO_POS	03-355/05:17:24.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				softstops.: HGA, 873, 873		
1669	M1O	03-355/05:26:06.9		NOTE: South Pole Crossing 8949		03-355/05:17:39.5
1670	M1O	03-355/05:27:00.4		NOTE: Periapsis 8949 ----------		03-355/05:18:33.0
1671	M1O	03-355/05:29:21.4		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-355/05:20:54.1
1672	M1O	03-355/05:29:21.4		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-355/05:20:54.1
1673	M1O	03-355/05:55:07.2		NOTE: Enter Solar Eclipse 8949		03-355/05:46:39.7
1674	M1O	03-355/05:55:26.5		NOTE: Ascending Node Crossing 8949		03-355/05:46:59.0
1675	M1O	03-355/05:59:21.4		GV: GV_DESAT_ACTIVE = 1		03-355/05:50:54.0
1676	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
1677	M1O	03-355/05:59:22.4		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-355/05:50:55.0
1678	M1O	03-355/06:09:21.5		GV: GV_DESAT_ACTIVE = 0		03-355/06:00:54.0
1679	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
1680	M1O	03-355/06:09:23.5		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-355/06:00:56.0
1681	M1O	03-355/06:09:24.5		CALL, Engine = , Parameters =	unpark_hga	03-355/06:00:57.0
1682	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
1683	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
1684	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
1685	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
1686	M1O	03-355/06:15:00.0	43	Begin Tracking		
1687	M1O	03-355/06:15:05.5		NOTE: ENTER HGA KEEP OUT ZONE		
1688	M1O	03-355/06:17:51.0		NOTE: Exit Solar Eclipse 8949		03-355/06:09:23.4
1689	M1O	03-355/06:17:56.5		NOTE: EXIT HGA PARK		
1690	M1O	03-355/06:22:50.2		NOTE: Enter Planetary Atmosphere 8949		03-355/06:14:22.7
1691	M1O	03-355/06:24:12.7		NOTE: Enter Earth Occultation 8949		03-355/06:15:45.1
1692	M1O	03-355/06:25:20.8		NOTE: North Pole Crossing 8949		03-355/06:16:53.3
1693	M1O	03-355/06:27:01.4		NOTE: Apoapsis 8949 -		03-355/06:18:33.8
1694	M1O	03-355/06:28:46.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1695	M1O	03-355/06:33:46.0	43	Range Modulation On: SUP=3.0dB		
1696	M1O	03-355/06:34:46.0	43	Begin Ranging Acquisition		
1697	M1O	03-355/06:37:45.5		NOTE: EXIT HGA KEEP OUT ZONE		
1698	M1O	03-355/06:44:44.1		SPAWN, Engine = 65535, Parameters = 00:05:31.820	cstr	03-355/06:36:16.5
1699	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
1700	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
1701	M1O	03-355/06:44:46.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-355/06:36:18.6
1702	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
1703	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
1704	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
1705	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
1706	M1O	03-355/06:45:09.1		NOTE: Exit Earth Occultation 8949		03-355/06:36:41.5
1707	M1O	03-355/06:45:09.1	14	Acquisition Of X-Band Signal		
1708	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		
1709	M1O	03-355/06:45:09.1	43	Acquisition Of X-Band Signal		
1710	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		
1711	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,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
1712	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		
1713	M1O	03-355/06:46:32.6		NOTE: Exit Planetary Atmosphere 8949		03-355/06:38:05.0
1714	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
1715	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
1716	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		
1717	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		
1718	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
1719	M1O	03-355/06:55:17.6		NOTE: Descending Node Crossing 8950		03-355/06:46:49.9
1720	M1O	03-355/07:08:27.6		SPAWN, Engine = 65535, Parameters =	scdiag	03-355/07:00:00.0
1721	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
1722	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
1723	M1O	03-355/07:09:30.6		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-355/07:01:03.0
1724	M1O	03-355/07:09:30.8		NOTE: Start Block fsw_diag		03-355/07:01:03.2
1725	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
1726	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
1727	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
1728	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
1729	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
1730	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
1731	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
1732	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
1733	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
1734	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
1735	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
1736	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
1737	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
1738	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
1739	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
1740	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
1741	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
1742	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
1743	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
1744	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
1745	M1O	03-355/07:12:41.8		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-355/07:04:14.2
1746	M1O	03-355/07:12:52.8		NOTE: End Block fsw_diag.mod		03-355/07:04:25.2
1747	M1O	03-355/07:13:02.0	14	NOTE: Below Uplink Interlock Limit		
1748	M1O	03-355/07:20:00.0	14	End Tracking		
1749	M1O	03-355/07:24:40.0		NOTE: South Pole Crossing 8950		03-355/07:16:12.3
1750	M1O	03-355/07:25:36.1		NOTE: Periapsis 8950 ----------		03-355/07:17:08.4
1751	M1O	03-355/07:35:00.0	14	End Post-Cal		
1752	M1O	03-355/07:41:41.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
1753	M1O	03-355/07:51:41.0	43	Range Modulation Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1754	M1O	03-355/07:53:41.7		NOTE: Enter Solar Eclipse 8950		03-355/07:45:13.8
1755	M1O	03-355/07:54:00.5		NOTE: Ascending Node Crossing 8950		03-355/07:45:32.6
1756	M1O	03-355/07:56:41.0	43	X-Band Transmitter Off		
1757	M1O	03-355/08:12:34.2		SPAWN, Engine = 65535, Parameters = 3, 00:36:36, 1	dpt	03-355/08:04:06.4
1758	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
1759	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		
1760	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
1761	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		
1762	M1O	03-355/08:13:37.8		NOTE: ENTER HGA KEEP OUT ZONE		
1763	M1O	03-355/08:13:37.8	43	NOTE: Loss Of X-Band Signal		
1764	M1O	03-355/08:16:20.4		NOTE: Exit Solar Eclipse 8950		03-355/08:07:52.5
1765	M1O	03-355/08:21:30.8		NOTE: Enter Planetary Atmosphere 8950		03-355/08:13:02.9
1766	M1O	03-355/08:22:53.8		NOTE: Enter Earth Occultation 8950		03-355/08:14:25.9
1767	M1O	03-355/08:23:56.1		NOTE: North Pole Crossing 8950		03-355/08:15:28.2
1768	M1O	03-355/08:25:37.9		NOTE: Apoapsis 8950 -		03-355/08:17:09.9
1769	M1O	03-355/08:27:17.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1770	M1O	03-355/08:32:17.0	43	Range Modulation On: SUP=3.0dB		
1771	M1O	03-355/08:33:17.0	43	Begin Ranging Acquisition		
1772	M1O	03-355/08:36:17.9		NOTE: EXIT HGA KEEP OUT ZONE		
1773	M1O	03-355/08:43:41.2		NOTE: Exit Earth Occultation 8950		03-355/08:35:13.3
1774	M1O	03-355/08:43:41.2	43	Acquisition Of X-Band Signal		
1775	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		
1776	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		
1777	M1O	03-355/08:45:05.3		NOTE: Exit Planetary Atmosphere 8950		03-355/08:36:37.3
1778	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
1779	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		
1780	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
1781	M1O	03-355/08:53:54.3		NOTE: Descending Node Crossing 8951		03-355/08:45:26.3
1782	M1O	03-355/09:23:16.7		NOTE: South Pole Crossing 8951		03-355/09:14:48.6
1783	M1O	03-355/09:24:18.7		NOTE: Periapsis 8951 ----------		03-355/09:15:50.6
1784	M1O	03-355/09:28:04.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
1785	M1O	03-355/09:38:04.0	43	Range Modulation Off		
1786	M1O	03-355/09:43:03.6	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
1787	M1O	03-355/09:43:04.0	43	X-Band Transmitter Off		
1788	M1O	03-355/09:51:49.1		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-355/09:43:21.0
1789	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
1790	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
1791	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
1792	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
1793	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
1794	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1795	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
1796	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		
1797	M1O	03-355/09:52:17.3		NOTE: Enter Solar Eclipse 8951		03-355/09:43:49.1
1798	M1O	03-355/09:52:36.7		NOTE: Ascending Node Crossing 8951		03-355/09:44:08.5
1799	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
1800	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		
1801	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
1802	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
1803	M1O	03-355/09:59:27.9	43	D/L RF Warning: SC antenna change - expect signal level variation		
1804	M1O	03-355/09:59:28.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-355/09:51:00.8
1805	M1O	03-355/10:00:00.0	43	End Tracking		
1806	M1O	03-355/10:12:14.2		NOTE: ENTER HGA KEEP OUT ZONE		
1807	M1O	03-355/10:14:54.4		NOTE: Exit Solar Eclipse 8951		03-355/10:06:26.1
1808	M1O	03-355/10:15:00.0	43	End Post-Cal		
1809	M1O	03-355/10:20:09.4		NOTE: Enter Planetary Atmosphere 8951		03-355/10:11:41.1
1810	M1O	03-355/10:21:32.5		NOTE: Enter Earth Occultation 8951		03-355/10:13:04.2
1811	M1O	03-355/10:22:32.8		NOTE: North Pole Crossing 8951		03-355/10:14:04.6
1812	M1O	03-355/10:24:06.2		NOTE: Apoapsis 8951 -		03-355/10:15:38.0
1813	M1O	03-355/10:34:54.3		NOTE: EXIT HGA KEEP OUT ZONE		
1814	M1O	03-355/10:42:17.2		NOTE: Exit Earth Occultation 8951		03-355/10:33:48.8
1815	M1O	03-355/10:43:41.4		NOTE: Exit Planetary Atmosphere 8951		03-355/10:35:13.0
1816	M1O	03-355/10:52:31.6		NOTE: Descending Node Crossing 8952		03-355/10:44:03.2
1817	M1O	03-355/11:21:53.9		NOTE: South Pole Crossing 8952		03-355/11:13:25.4
1818	M1O	03-355/11:22:52.1		NOTE: Periapsis 8952 ----------		03-355/11:14:23.7
1819	M1O	03-355/11:50:54.0		NOTE: Enter Solar Eclipse 8952		03-355/11:42:25.4
1820	M1O	03-355/11:51:13.7		NOTE: Ascending Node Crossing 8952		03-355/11:42:45.2
1821	M1O	03-355/12:10:51.5		NOTE: ENTER HGA KEEP OUT ZONE		
1822	M1O	03-355/12:13:32.0		NOTE: Exit Solar Eclipse 8952		03-355/12:05:03.4
1823	M1O	03-355/12:18:43.4		NOTE: Enter Planetary Atmosphere 8952		03-355/12:10:14.8
1824	M1O	03-355/12:20:06.3		NOTE: Enter Earth Occultation 8952		03-355/12:11:37.7
1825	M1O	03-355/12:21:09.3		NOTE: North Pole Crossing 8952		03-355/12:12:40.7
1826	M1O	03-355/12:22:26.8		NOTE: Apoapsis 8952 -		03-355/12:13:58.2
1827	M1O	03-355/12:33:31.6		NOTE: EXIT HGA KEEP OUT ZONE		
1828	M1O	03-355/12:40:54.7		NOTE: Exit Earth Occultation 8952		03-355/12:32:26.1
1829	M1O	03-355/12:42:18.7		NOTE: Exit Planetary Atmosphere 8952		03-355/12:33:50.0
1830	M1O	03-355/12:51:07.2		NOTE: Descending Node Crossing 8953		03-355/12:42:38.5
1831	M1O	03-355/13:20:29.6		NOTE: South Pole Crossing 8953		03-355/13:12:00.8
1832	M1O	03-355/13:21:29.6		NOTE: Periapsis 8953 ----------		03-355/13:13:00.8
1833	M1O	03-355/13:49:29.0		NOTE: Enter Solar Eclipse 8953		03-355/13:41:00.1
1834	M1O	03-355/13:49:49.4		NOTE: Ascending Node Crossing 8953		03-355/13:41:20.5
1835	M1O	03-355/14:09:26.9		NOTE: ENTER HGA KEEP OUT ZONE		
1836	M1O	03-355/14:12:10.5		NOTE: Exit Solar Eclipse 8953		03-355/14:03:41.5
1837	M1O	03-355/14:17:13.0		NOTE: Enter Planetary Atmosphere 8953		03-355/14:08:44.0
1838	M1O	03-355/14:18:35.5		NOTE: Enter Earth Occultation 8953		03-355/14:10:06.5
1839	M1O	03-355/14:19:43.8		NOTE: North Pole Crossing 8953		03-355/14:11:14.8
1840	M1O	03-355/14:21:02.9		NOTE: Apoapsis 8953 -		03-355/14:12:33.9
1841	M1O	03-355/14:32:07.0		NOTE: EXIT HGA KEEP OUT ZONE		
1842	M1O	03-355/14:39:31.1		NOTE: Exit Earth Occultation 8953		03-355/14:31:02.0
1843	M1O	03-355/14:40:54.5		NOTE: Exit Planetary Atmosphere 8953		03-355/14:32:25.5
1844	M1O	03-355/14:49:40.4		NOTE: Descending Node Crossing 8954		03-355/14:41:11.4
1845	M1O	03-355/15:19:02.4		NOTE: South Pole Crossing 8954		03-355/15:10:33.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1846	M1O	03-355/15:20:05.1		NOTE: Periapsis 8954 ----------		03-355/15:11:35.9
1847	M1O	03-355/15:48:00.6		NOTE: Enter Solar Eclipse 8954		03-355/15:39:31.3
1848	M1O	03-355/15:48:21.9		NOTE: Ascending Node Crossing 8954		03-355/15:39:52.7
1849	M1O	03-355/16:08:00.3		NOTE: ENTER HGA KEEP OUT ZONE		
1850	M1O	03-355/16:10:44.5		NOTE: Exit Solar Eclipse 8954		03-355/16:02:15.2
1851	M1O	03-355/16:15:42.2		NOTE: Enter Planetary Atmosphere 8954		03-355/16:07:12.9
1852	M1O	03-355/16:17:04.5		NOTE: Enter Earth Occultation 8954		03-355/16:08:35.2
1853	M1O	03-355/16:18:15.8		NOTE: North Pole Crossing 8954		03-355/16:09:46.5
1854	M1O	03-355/16:19:49.5		NOTE: Apoapsis 8954 -		03-355/16:11:20.1
1855	M1O	03-355/16:30:40.3		NOTE: EXIT HGA KEEP OUT ZONE		
1856	M1O	03-355/16:38:03.7		NOTE: Exit Earth Occultation 8954		03-355/16:29:34.3
1857	M1O	03-355/16:39:27.0		NOTE: Exit Planetary Atmosphere 8954		03-355/16:30:57.6
1858	M1O	03-355/16:48:12.1		NOTE: Descending Node Crossing 8955		03-355/16:39:42.7
1859	M1O	03-355/17:17:33.2		NOTE: South Pole Crossing 8955		03-355/17:09:03.7
1860	M1O	03-355/17:18:25.0		NOTE: Periapsis 8955 ----------		03-355/17:09:55.4
1861	M1O	03-355/17:46:31.4		NOTE: Enter Solar Eclipse 8955		03-355/17:38:01.8
1862	M1O	03-355/17:46:52.2		NOTE: Ascending Node Crossing 8955		03-355/17:38:22.6
1863	M1O	03-355/18:06:31.6		NOTE: ENTER HGA KEEP OUT ZONE		
1864	M1O	03-355/18:09:11.8		NOTE: Exit Solar Eclipse 8955		03-355/18:00:42.1
1865	M1O	03-355/18:14:16.9		NOTE: Enter Planetary Atmosphere 8955		03-355/18:05:47.2
1866	M1O	03-355/18:15:39.5		NOTE: Enter Earth Occultation 8955		03-355/18:07:09.8
1867	M1O	03-355/18:16:47.2		NOTE: North Pole Crossing 8955		03-355/18:08:17.5
1868	M1O	03-355/18:18:02.0		NOTE: Apoapsis 8955 -		03-355/18:09:32.3
1869	M1O	03-355/18:29:11.7		NOTE: EXIT HGA KEEP OUT ZONE		
1870	M1O	03-355/18:30:00.0	54	Begin Pre-Cal		
1871	M1O	03-355/18:30:00.0	54	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
1872	M1O	03-355/18:30:00.0	54	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
1873	M1O	03-355/18:30:00.0	54	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
1874	M1O	03-355/18:30:00.0	54	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1875	M1O	03-355/18:30:00.0	54	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
1876	M1O	03-355/18:30:00.0	54	Config: RCV: Parms:		
1877	M1O	03-355/18:30:00.0	54	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
1878	M1O	03-355/18:30:00.0	54	Config: TGC: BAND=X, SR=221200.000000		
1879	M1O	03-355/18:30:00.0	54	Config: TXL		
1880	M1O	03-355/18:30:00.0	54	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
1881	M1O	03-355/18:30:00.0	54	Config: CMD		
1882	M1O	03-355/18:30:00.0	54	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
1883	M1O	03-355/18:36:33.4		NOTE: Exit Earth Occultation 8955		03-355/18:28:03.6
1884	M1O	03-355/18:37:57.0		NOTE: Exit Planetary Atmosphere 8955		03-355/18:29:27.3
1885	M1O	03-355/18:46:44.4		NOTE: Descending Node Crossing 8956		03-355/18:38:14.6
1886	M1O	03-355/19:14:35.1		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-355/19:06:05.3
1887	M1O	03-355/19:14:35.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-355/19:06:05.4
1888	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
1889	M1O	03-355/19:14:37.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-355/19:06:07.4
1890	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
1891	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
1892	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
1893	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
1894	M1O	03-355/19:15:00.0	54	Begin Tracking		
1895	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1896	M1O	03-355/19:15:00.2		NOTE: Changing to 34M (BWG) downlink rate: 66360_BPS		03-355/19:06:30.3
1897	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
1898	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		
1899	M1O	03-355/19:16:00.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
1900	M1O	03-355/19:16:05.7		NOTE: South Pole Crossing 8956		03-355/19:07:35.9
1901	M1O	03-355/19:16:36.2		NOTE: Periapsis 8956 ----------		03-355/19:08:06.3
1902	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
1903	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
1904	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		
1905	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
1906	M1O	03-355/19:21:00.0	54	Range Modulation On: SUP=3.0dB		
1907	M1O	03-355/19:22:00.0	54	Begin Ranging Acquisition		
1908	M1O	03-355/19:31:57.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-355/19:23:27.5
1909	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
1910	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		
1911	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
1912	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		
1913	M1O	03-355/19:33:03.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
1914	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
1915	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		
1916	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
1917	M1O	03-355/19:43:03.0	54	Range Modulation Off		
1918	M1O	03-355/19:45:07.0		NOTE: Enter Solar Eclipse 8956		03-355/19:36:37.1
1919	M1O	03-355/19:45:25.7		NOTE: Ascending Node Crossing 8956		03-355/19:36:55.8
1920	M1O	03-355/19:48:03.0	54	X-Band Transmitter Off		
1921	M1O	03-355/19:56:51.9		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-355/19:48:22.0
1922	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
1923	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
1924	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
1925	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
1926	M1O	03-355/19:57:11.7		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 3, 2003-353T19:48:22.100, 2003-355T19:48:22.100	PCKTS_RE_TX_TIME	03-355/19:48:41.8
1927	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
1928	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
1929	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		
1930	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
1931	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		
1932	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
1933	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1934	M1O	03-355/20:04:30.8	54	D/L RF Warning: SC antenna change - expect signal level variation		
1935	M1O	03-355/20:04:31.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-355/19:56:01.8
1936	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		
1937	M1O	03-355/20:05:04.0		NOTE: ENTER HGA KEEP OUT ZONE		
1938	M1O	03-355/20:05:04.0	54	NOTE: Loss Of X-Band Signal		
1939	M1O	03-355/20:07:40.7		NOTE: Exit Solar Eclipse 8956		03-355/19:59:10.7
1940	M1O	03-355/20:12:56.0		NOTE: Enter Planetary Atmosphere 8956		03-355/20:04:26.0
1941	M1O	03-355/20:14:19.1		NOTE: Enter Earth Occultation 8956		03-355/20:05:49.0
1942	M1O	03-355/20:15:21.6		NOTE: North Pole Crossing 8956		03-355/20:06:51.5
1943	M1O	03-355/20:16:20.1		NOTE: Apoapsis 8956 -		03-355/20:07:50.1
1944	M1O	03-355/20:27:44.0		NOTE: EXIT HGA KEEP OUT ZONE		
1945	M1O	03-355/20:30:00.0	54	End Tracking		
1946	M1O	03-355/20:35:04.7		NOTE: Exit Earth Occultation 8956		03-355/20:26:34.6
1947	M1O	03-355/20:36:28.9		NOTE: Exit Planetary Atmosphere 8956		03-355/20:27:58.8
1948	M1O	03-355/20:45:00.0	54	End Post-Cal		
1949	M1O	03-355/20:45:19.3		NOTE: Descending Node Crossing 8957		03-355/20:36:49.1
1950	M1O	03-355/21:14:42.0		NOTE: South Pole Crossing 8957		03-355/21:06:11.8
1951	M1O	03-355/21:15:29.9		NOTE: Periapsis 8957 ----------		03-355/21:06:59.7
1952	M1O	03-355/21:43:44.1		NOTE: Enter Solar Eclipse 8957		03-355/21:35:13.7
1953	M1O	03-355/21:44:02.9		NOTE: Ascending Node Crossing 8957		03-355/21:35:32.6
1954	M1O	03-355/22:00:00.0	14	Begin Pre-Cal		
1955	M1O	03-355/22:00:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
1956	M1O	03-355/22:00:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
1957	M1O	03-355/22:00:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
1958	M1O	03-355/22:00:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
1959	M1O	03-355/22:00:00.0	14	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
1960	M1O	03-355/22:00:00.0	14	Config: RCV: Parms:		
1961	M1O	03-355/22:00:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
1962	M1O	03-355/22:00:00.0	14	Config: TGC: BAND=X, SR=132720.000000		
1963	M1O	03-355/22:00:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
1964	M1O	03-355/22:03:39.3		NOTE: ENTER HGA KEEP OUT ZONE		
1965	M1O	03-355/22:06:16.1		NOTE: Exit Solar Eclipse 8957		03-355/21:57:45.7
1966	M1O	03-355/22:11:33.4		NOTE: Enter Planetary Atmosphere 8957		03-355/22:03:03.1
1967	M1O	03-355/22:12:56.8		NOTE: Enter Earth Occultation 8957		03-355/22:04:26.4
1968	M1O	03-355/22:13:58.2		NOTE: North Pole Crossing 8957		03-355/22:05:27.8
1969	M1O	03-355/22:15:26.8		NOTE: Apoapsis 8957 -		03-355/22:06:56.4
1970	M1O	03-355/22:26:19.4		NOTE: EXIT HGA KEEP OUT ZONE		
1971	M1O	03-355/22:33:39.1		NOTE: Exit Earth Occultation 8957		03-355/22:25:08.6
1972	M1O	03-355/22:35:03.4		NOTE: Exit Planetary Atmosphere 8957		03-355/22:26:32.9
1973	M1O	03-355/22:43:55.9		NOTE: Descending Node Crossing 8958		03-355/22:35:25.4
1974	M1O	03-355/23:13:19.4		NOTE: South Pole Crossing 8958		03-355/23:04:48.8
1975	M1O	03-355/23:14:36.8		NOTE: Periapsis 8958 ----------		03-355/23:06:06.2
1976	M1O	03-355/23:29:35.9		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-355/23:21:05.3
1977	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
1978	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
1979	M1O	03-355/23:29:38.0		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-355/23:21:07.4
1980	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
1981	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
1982	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
1983	M1O	03-355/23:30:00.0	14	Begin Tracking		
1984	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
1985	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
1986	M1O	03-355/23:30:00.9		NOTE: Changing to 70M downlink rate: 110600_BPS		03-355/23:21:30.3
1987	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
1988	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		
1989	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
1990	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
1991	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		
1992	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
1993	M1O	03-355/23:42:19.5		NOTE: Enter Solar Eclipse 8958		03-355/23:33:48.8
1994	M1O	03-355/23:42:40.1		NOTE: Ascending Node Crossing 8958		03-355/23:34:09.4
1995	M1O	03-356/00:00:00.0		Light Time: OWLT = 08:30, RTLT = 17:01		
1996	M1O	03-356/00:01:12.6		SPAWN, Engine = 65535, Parameters = 3, 00:36:00.362, 1	dpt	03-355/23:52:41.9
1997	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
1998	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		
1999	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
2000	M1O	03-356/00:02:15.7		NOTE: ENTER HGA KEEP OUT ZONE		
2001	M1O	03-356/00:02:15.7	14	NOTE: Loss Of X-Band Signal		
2002	M1O	03-356/00:04:53.3		NOTE: Exit Solar Eclipse 8958		03-355/23:56:22.6
2003	M1O	03-356/00:10:09.4		NOTE: Enter Planetary Atmosphere 8958		03-356/00:01:38.6
2004	M1O	03-356/00:11:32.7		NOTE: Enter Earth Occultation 8958		03-356/00:03:02.0
2005	M1O	03-356/00:12:35.0		NOTE: North Pole Crossing 8958		03-356/00:04:04.3
2006	M1O	03-356/00:14:36.7		NOTE: Apoapsis 8958 -		03-356/00:06:05.9
2007	M1O	03-356/00:24:55.7		NOTE: EXIT HGA KEEP OUT ZONE		
2008	M1O	03-356/00:32:15.0		NOTE: Exit Earth Occultation 8958		03-356/00:23:44.2
2009	M1O	03-356/00:32:15.0	14	Acquisition Of X-Band Signal		
2010	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		
2011	M1O	03-356/00:33:39.4		NOTE: Exit Planetary Atmosphere 8958		03-356/00:25:08.5
2012	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
2013	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		
2014	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
2015	M1O	03-356/00:42:33.0		NOTE: Descending Node Crossing 8959		03-356/00:34:02.2
2016	M1O	03-356/01:11:55.9		NOTE: South Pole Crossing 8959		03-356/01:03:25.0
2017	M1O	03-356/01:13:28.3		NOTE: Periapsis 8959 ----------		03-356/01:04:57.3
2018	M1O	03-356/01:35:00.0	43	Begin Pre-Cal		
2019	M1O	03-356/01:35:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
2020	M1O	03-356/01:35:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
2021	M1O	03-356/01:35:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
2022	M1O	03-356/01:35:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
2023	M1O	03-356/01:35:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
2024	M1O	03-356/01:35:00.0	43	Config: RCV: Parms:		
2025	M1O	03-356/01:35:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
2026	M1O	03-356/01:35:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
2027	M1O	03-356/01:35:00.0	43	Config: TXL		
2028	M1O	03-356/01:35:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
2029	M1O	03-356/01:35:00.0	43	Config: CMD		
2030	M1O	03-356/01:35:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2031	M1O	03-356/01:40:52.7		NOTE: Enter Solar Eclipse 8959		03-356/01:32:21.7
2032	M1O	03-356/01:41:15.5		NOTE: Ascending Node Crossing 8959		03-356/01:32:44.4
2033	M1O	03-356/01:59:51.0		SPAWN, Engine = 65535, Parameters = 3, 00:35:58.725, 1	dpt	03-356/01:51:20.0
2034	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
2035	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		
2036	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
2037	M1O	03-356/02:00:53.0		NOTE: ENTER HGA KEEP OUT ZONE		
2038	M1O	03-356/02:00:53.0	14	NOTE: Loss Of X-Band Signal		
2039	M1O	03-356/02:03:30.4		NOTE: Exit Solar Eclipse 8959		03-356/01:54:59.3
2040	M1O	03-356/02:08:41.8		NOTE: Enter Planetary Atmosphere 8959		03-356/02:00:10.7
2041	M1O	03-356/02:10:04.9		NOTE: Enter Earth Occultation 8959		03-356/02:01:33.8
2042	M1O	03-356/02:11:10.3		NOTE: North Pole Crossing 8959		03-356/02:02:39.1
2043	M1O	03-356/02:13:13.5		NOTE: Apoapsis 8959 -		03-356/02:04:42.4
2044	M1O	03-356/02:23:33.1		NOTE: EXIT HGA KEEP OUT ZONE		
2045	M1O	03-356/02:30:51.8		NOTE: Exit Earth Occultation 8959		03-356/02:22:20.7
2046	M1O	03-356/02:30:51.8	14	Acquisition Of X-Band Signal		
2047	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		
2048	M1O	03-356/02:32:16.0		NOTE: Exit Planetary Atmosphere 8959		03-356/02:23:44.8
2049	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
2050	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		
2051	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
2052	M1O	03-356/02:41:08.1		NOTE: Descending Node Crossing 8960		03-356/02:32:36.9
2053	M1O	03-356/03:05:00.0	43	Begin Tracking		
2054	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		
2055	M1O	03-356/03:08:23.0	43	NOTE: Above Uplink Interlock Limit		
2056	M1O	03-356/03:10:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2057	M1O	03-356/03:10:29.8		NOTE: South Pole Crossing 8960		03-356/03:01:58.5
2058	M1O	03-356/03:11:48.8		NOTE: Periapsis 8960 ----------		03-356/03:03:17.5
2059	M1O	03-356/03:15:00.0	43	Range Modulation On: SUP=3.0dB		
2060	M1O	03-356/03:16:00.0	43	Begin Ranging Acquisition		
2061	M1O	03-356/03:25:00.0	14	End Tracking		
2062	M1O	03-356/03:25:59.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-356/03:17:28.6
2063	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
2064	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		
2065	M1O	03-356/03:26:03.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-356/03:17:31.7
2066	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		
2067	M1O	03-356/03:27:25.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
2068	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
2069	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		
2070	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
2071	M1O	03-356/03:37:25.0	43	Range Modulation Off		
2072	M1O	03-356/03:39:24.5		NOTE: Enter Solar Eclipse 8960		03-356/03:30:53.1
2073	M1O	03-356/03:39:48.3		NOTE: Ascending Node Crossing 8960		03-356/03:31:17.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2074	M1O	03-356/03:40:00.0	14	End Post-Cal		
2075	M1O	03-356/03:42:25.0	43	X-Band Transmitter Off		
2076	M1O	03-356/03:58:25.0		SPAWN, Engine = 65535, Parameters = 3, 00:36:31, 1	dpt	03-356/03:49:53.6
2077	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
2078	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		
2079	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
2080	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		
2081	M1O	03-356/03:59:28.4		NOTE: ENTER HGA KEEP OUT ZONE		
2082	M1O	03-356/03:59:28.4	43	NOTE: Loss Of X-Band Signal		
2083	M1O	03-356/04:02:05.1		NOTE: Exit Solar Eclipse 8960		03-356/03:53:33.7
2084	M1O	03-356/04:07:11.0		NOTE: Enter Planetary Atmosphere 8960		03-356/03:58:39.6
2085	M1O	03-356/04:08:33.8		NOTE: Enter Earth Occultation 8960		03-356/04:00:02.3
2086	M1O	03-356/04:09:42.8		NOTE: North Pole Crossing 8960		03-356/04:01:11.3
2087	M1O	03-356/04:11:24.6		NOTE: Apoapsis 8960 -		03-356/04:02:53.1
2088	M1O	03-356/04:12:56.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2089	M1O	03-356/04:17:56.0	43	Range Modulation On: SUP=3.0dB		
2090	M1O	03-356/04:18:56.0	43	Begin Ranging Acquisition		
2091	M1O	03-356/04:22:08.5		NOTE: EXIT HGA KEEP OUT ZONE		
2092	M1O	03-356/04:29:26.1		NOTE: Exit Earth Occultation 8960		03-356/04:20:54.6
2093	M1O	03-356/04:29:26.1	43	Acquisition Of X-Band Signal		
2094	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		
2095	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		
2096	M1O	03-356/04:30:18.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
2097	M1O	03-356/04:30:49.9		NOTE: Exit Planetary Atmosphere 8960		03-356/04:22:18.4
2098	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
2099	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		
2100	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
2101	M1O	03-356/04:39:39.9		NOTE: Descending Node Crossing 8961		03-356/04:31:08.4
2102	M1O	03-356/04:40:18.0	43	Range Modulation Off		
2103	M1O	03-356/04:45:18.0	43	X-Band Transmitter Off		
2104	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
2105	M1O	03-356/04:52:40.6		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-356/04:44:09.1
2106	M1O	03-356/04:52:41.6		Forces a desaturation of the reaction wheels.	RW_DESAT	03-356/04:44:10.1
2107	M1O	03-356/04:54:09.6		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-356/04:45:38.0
2108	M1O	03-356/04:54:25.4		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-354T04:45:38.100, 2003-356T04:45:38.100	PCKTS_RE_TX_TIME	03-356/04:45:53.8
2109	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
2110	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
2111	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
2112	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
2113	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
2114	M1O	03-356/04:54:30.4		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	03-356/04:45:58.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_auto_rexmit.cfg,		
2115	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		
2116	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
2117	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		
2118	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
2119	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
2120	M1O	03-356/05:01:48.4	43	D/L RF Warning: SC antenna change - expect signal level variation		
2121	M1O	03-356/05:01:49.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-356/04:53:17.8
2122	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		
2123	M1O	03-356/05:04:11.7		CALL, Engine = , Parameters = FALSE	park_hga	03-356/04:55:40.1
2124	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
2125	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
2126	M1O	03-356/05:04:13.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-356/04:55:42.1
2127	M1O	03-356/05:04:13.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-356/04:55:42.1
2128	M1O	03-356/05:04:13.7		NOTE: START HGA PARK		
2129	M1O	03-356/05:04:13.7	43	NOTE: Loss Of X-Band Signal		
2130	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
2131	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
2132	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
2133	M1O	03-356/05:09:01.3		NOTE: South Pole Crossing 8961		03-356/05:00:29.6
2134	M1O	03-356/05:10:01.2		NOTE: Periapsis 8961 ----------		03-356/05:01:29.5
2135	M1O	03-356/05:12:15.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-356/05:03:44.1
2136	M1O	03-356/05:12:15.7		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-356/05:03:44.1
2137	M1O	03-356/05:37:56.9		NOTE: Enter Solar Eclipse 8961		03-356/05:29:25.2
2138	M1O	03-356/05:38:20.2		NOTE: Ascending Node Crossing 8961		03-356/05:29:48.4
2139	M1O	03-356/05:42:15.7		GV: GV_DESAT_ACTIVE = 1		03-356/05:33:44.0
2140	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
2141	M1O	03-356/05:42:16.7		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-356/05:33:45.0
2142	M1O	03-356/05:52:15.7		GV: GV_DESAT_ACTIVE = 0		03-356/05:43:44.0
2143	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
2144	M1O	03-356/05:52:17.7		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-356/05:43:46.0
2145	M1O	03-356/05:52:18.7		CALL, Engine = , Parameters =	unpark_hga	03-356/05:43:47.0
2146	M1O	03-356/05:52:18.7		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	03-356/05:43:47.0
2147	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
2148	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
2149	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
2150	M1O	03-356/05:57:59.7		NOTE: ENTER HGA KEEP OUT ZONE		
2151	M1O	03-356/06:00:36.1		NOTE: Exit Solar Eclipse 8961		03-356/05:52:04.3
2152	M1O	03-356/06:00:50.7		NOTE: EXIT HGA PARK		
2153	M1O	03-356/06:05:42.4		NOTE: Enter Planetary Atmosphere 8961		03-356/05:57:10.6
2154	M1O	03-356/06:07:05.3		NOTE: Enter Earth Occultation 8961		03-356/05:58:33.5
2155	M1O	03-356/06:08:14.2		NOTE: North Pole Crossing 8961		03-356/05:59:42.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2156	M1O	03-356/06:09:59.3		NOTE: Apoapsis 8961 -		03-356/06:01:27.5
2157	M1O	03-356/06:11:25.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2158	M1O	03-356/06:16:25.0	43	Range Modulation On: SUP=3.0dB		
2159	M1O	03-356/06:17:25.0	43	Begin Ranging Acquisition		
2160	M1O	03-356/06:20:39.8		NOTE: EXIT HGA KEEP OUT ZONE		
2161	M1O	03-356/06:27:31.0		SPAWN, Engine = 65535, Parameters = 00:05:32.530	cstr	03-356/06:18:59.1
2162	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
2163	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
2164	M1O	03-356/06:27:33.1		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-356/06:19:01.2
2165	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
2166	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
2167	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
2168	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
2169	M1O	03-356/06:27:56.0		NOTE: Exit Earth Occultation 8961		03-356/06:19:24.1
2170	M1O	03-356/06:27:56.0	43	Acquisition Of X-Band Signal		
2171	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		
2172	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		
2173	M1O	03-356/06:29:19.9		NOTE: Exit Planetary Atmosphere 8961		03-356/06:20:48.0
2174	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
2175	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
2176	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		
2177	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
2178	M1O	03-356/06:38:10.9		NOTE: Descending Node Crossing 8962		03-356/06:29:39.0
2179	M1O	03-356/07:07:33.0		NOTE: South Pole Crossing 8962		03-356/06:59:01.0
2180	M1O	03-356/07:08:31.6		NOTE: Periapsis 8962 ----------		03-356/06:59:59.6
2181	M1O	03-356/07:08:32.0		SPAWN, Engine = 65535, Parameters =	scdiag	03-356/07:00:00.0
2182	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
2183	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
2184	M1O	03-356/07:09:35.0		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-356/07:01:03.0
2185	M1O	03-356/07:09:35.2		NOTE: Start Block fsw_diag		03-356/07:01:03.2
2186	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
2187	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, 0x73636543,0x6F756E74,0x2C312C34,0x0000]	FSW_VX_CMD	03-356/07:01:05.2
2188	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
2189	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
2190	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
2191	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
2192	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
2193	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
2194	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
2195	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2196	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
2197	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
2198	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
2199	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
2200	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
2201	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
2202	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
2203	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
2204	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
2205	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
2206	M1O	03-356/07:12:46.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-356/07:04:14.2
2207	M1O	03-356/07:12:57.2		NOTE: End Block fsw_diag.mod		03-356/07:04:25.2
2208	M1O	03-356/07:24:26.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
2209	M1O	03-356/07:34:26.0	43	Range Modulation Off		
2210	M1O	03-356/07:36:30.5		NOTE: Enter Solar Eclipse 8962		03-356/07:27:58.4
2211	M1O	03-356/07:36:53.0		NOTE: Ascending Node Crossing 8962		03-356/07:28:20.9
2212	M1O	03-356/07:39:26.0	43	X-Band Transmitter Off		
2213	M1O	03-356/07:55:27.8		SPAWN, Engine = 65535, Parameters = 3, 00:36:28, 1	dpt	03-356/07:46:55.7
2214	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
2215	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		
2216	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
2217	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		
2218	M1O	03-356/07:56:31.1		NOTE: ENTER HGA KEEP OUT ZONE		
2219	M1O	03-356/07:56:31.1	43	NOTE: Loss Of X-Band Signal		
2220	M1O	03-356/07:59:04.0		NOTE: Exit Solar Eclipse 8962		03-356/07:50:31.9
2221	M1O	03-356/08:04:22.2		NOTE: Enter Planetary Atmosphere 8962		03-356/07:55:50.1
2222	M1O	03-356/08:05:45.8		NOTE: Enter Earth Occultation 8962		03-356/07:57:13.6
2223	M1O	03-356/08:06:48.3		NOTE: North Pole Crossing 8962		03-356/07:58:16.1
2224	M1O	03-356/08:08:40.4		NOTE: Apoapsis 8962 -		03-356/08:00:08.2
2225	M1O	03-356/08:09:54.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2226	M1O	03-356/08:14:54.0	43	Range Modulation On: SUP=3.0dB		
2227	M1O	03-356/08:15:54.0	43	Begin Ranging Acquisition		
2228	M1O	03-356/08:19:11.2		NOTE: EXIT HGA KEEP OUT ZONE		
2229	M1O	03-356/08:26:26.0		NOTE: Exit Earth Occultation 8962		03-356/08:17:53.8
2230	M1O	03-356/08:26:26.0	43	Acquisition Of X-Band Signal		
2231	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		
2232	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		
2233	M1O	03-356/08:27:50.6		NOTE: Exit Planetary Atmosphere 8962		03-356/08:19:18.4
2234	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
2235	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		
2236	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
2237	M1O	03-356/08:36:46.3		NOTE: Descending Node Crossing 8963		03-356/08:28:14.0
2238	M1O	03-356/09:06:08.6		NOTE: South Pole Crossing 8963		03-356/08:57:36.3
2239	M1O	03-356/09:07:15.5		NOTE: Periapsis 8963 ----------		03-356/08:58:43.1
2240	M1O	03-356/09:23:01.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
2241	M1O	03-356/09:33:01.0	43	Range Modulation Off		
2242	M1O	03-356/09:35:05.5		NOTE: Enter Solar Eclipse 8963		03-356/09:26:33.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2243	M1O	03-356/09:35:28.4		NOTE: Ascending Node Crossing 8963		03-356/09:26:56.0
2244	M1O	03-356/09:38:01.0	43	X-Band Transmitter Off		
2245	M1O	03-356/09:46:55.4		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-356/09:38:23.0
2246	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
2247	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
2248	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
2249	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
2250	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
2251	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
2252	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
2253	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		
2254	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
2255	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		
2256	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
2257	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
2258	M1O	03-356/09:54:34.3	43	D/L RF Warning: SC antenna change - expect signal level variation		
2259	M1O	03-356/09:54:35.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-356/09:46:02.8
2260	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		
2261	M1O	03-356/09:55:06.5		NOTE: ENTER HGA KEEP OUT ZONE		
2262	M1O	03-356/09:55:06.5	43	NOTE: Loss Of X-Band Signal		
2263	M1O	03-356/09:57:35.9		NOTE: Exit Solar Eclipse 8963		03-356/09:49:03.3
2264	M1O	03-356/10:03:02.5		NOTE: Enter Planetary Atmosphere 8963		03-356/09:54:29.9
2265	M1O	03-356/10:04:26.4		NOTE: Enter Earth Occultation 8963		03-356/09:55:53.9
2266	M1O	03-356/10:05:24.7		NOTE: North Pole Crossing 8963		03-356/09:56:52.1
2267	M1O	03-356/10:07:11.3		NOTE: Apoapsis 8963 -		03-356/09:58:38.8
2268	M1O	03-356/10:17:26.5		NOTE: EXIT HGA KEEP OUT ZONE		
2269	M1O	03-356/10:25:00.4		NOTE: Exit Earth Occultation 8963		03-356/10:16:27.8
2270	M1O	03-356/10:25:00.4	43	Acquisition Of X-Band Signal		
2271	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		
2272	M1O	03-356/10:26:25.4		NOTE: Exit Planetary Atmosphere 8963		03-356/10:17:52.8
2273	M1O	03-356/10:30:00.0	43	End Tracking		
2274	M1O	03-356/10:35:23.8		NOTE: Descending Node Crossing 8964		03-356/10:26:51.1
2275	M1O	03-356/10:45:00.0	43	End Post-Cal		
2276	M1O	03-356/11:04:46.0		NOTE: South Pole Crossing 8964		03-356/10:56:13.3
2277	M1O	03-356/11:05:52.9		NOTE: Periapsis 8964 ----------		03-356/10:57:20.2
2278	M1O	03-356/11:33:41.9		NOTE: Enter Solar Eclipse 8964		03-356/11:25:09.1
2279	M1O	03-356/11:34:05.4		NOTE: Ascending Node Crossing 8964		03-356/11:25:32.6
2280	M1O	03-356/11:53:43.8		NOTE: ENTER HGA KEEP OUT ZONE		
2281	M1O	03-356/11:56:12.2		NOTE: Exit Solar Eclipse 8964		03-356/11:47:39.4
2282	M1O	03-356/12:01:38.7		NOTE: Enter Planetary Atmosphere 8964		03-356/11:53:05.8
2283	M1O	03-356/12:03:02.6		NOTE: Enter Earth Occultation 8964		03-356/11:54:29.7
2284	M1O	03-356/12:04:01.5		NOTE: North Pole Crossing 8964		03-356/11:55:28.6
2285	M1O	03-356/12:05:33.7		NOTE: Apoapsis 8964 -		03-356/11:57:00.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2286	M1O	03-356/12:16:03.9		NOTE: EXIT HGA KEEP OUT ZONE		
2287	M1O	03-356/12:23:37.7		NOTE: Exit Earth Occultation 8964		03-356/12:15:04.7
2288	M1O	03-356/12:25:02.6		NOTE: Exit Planetary Atmosphere 8964		03-356/12:16:29.6
2289	M1O	03-356/12:34:00.4		NOTE: Descending Node Crossing 8965		03-356/12:25:27.4
2290	M1O	03-356/13:03:22.7		NOTE: South Pole Crossing 8965		03-356/12:54:49.6
2291	M1O	03-356/13:04:26.2		NOTE: Periapsis 8965 ----------		03-356/12:55:53.1
2292	M1O	03-356/13:30:00.0	63	Begin Pre-Cal		
2293	M1O	03-356/13:30:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
2294	M1O	03-356/13:30:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
2295	M1O	03-356/13:30:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
2296	M1O	03-356/13:30:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
2297	M1O	03-356/13:30:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
2298	M1O	03-356/13:30:00.0	63	Config: RCV: Parms:		
2299	M1O	03-356/13:30:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
2300	M1O	03-356/13:30:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
2301	M1O	03-356/13:30:00.0	63	Config: TXL		
2302	M1O	03-356/13:30:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
2303	M1O	03-356/13:30:00.0	63	Config: CMD		
2304	M1O	03-356/13:30:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
2305	M1O	03-356/13:32:18.4		NOTE: Enter Solar Eclipse 8965		03-356/13:23:45.3
2306	M1O	03-356/13:32:42.2		NOTE: Ascending Node Crossing 8965		03-356/13:24:09.0
2307	M1O	03-356/13:52:20.2		NOTE: ENTER HGA KEEP OUT ZONE		
2308	M1O	03-356/13:54:51.2		NOTE: Exit Solar Eclipse 8965		03-356/13:46:18.0
2309	M1O	03-356/14:00:10.0		NOTE: Enter Planetary Atmosphere 8965		03-356/13:51:36.7
2310	M1O	03-356/14:01:33.4		NOTE: Enter Earth Occultation 8965		03-356/13:53:00.1
2311	M1O	03-356/14:02:37.2		NOTE: North Pole Crossing 8965		03-356/13:54:04.0
2312	M1O	03-356/14:03:58.2		NOTE: Apoapsis 8965 -		03-356/13:55:25.0
2313	M1O	03-356/14:14:40.2		NOTE: EXIT HGA KEEP OUT ZONE		
2314	M1O	03-356/14:22:15.4		NOTE: Exit Earth Occultation 8965		03-356/14:13:42.1
2315	M1O	03-356/14:23:39.8		NOTE: Exit Planetary Atmosphere 8965		03-356/14:15:06.5
2316	M1O	03-356/14:32:34.8		NOTE: Descending Node Crossing 8966		03-356/14:24:01.4
2317	M1O	03-356/14:44:35.4		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-356/14:36:02.0
2318	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
2319	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
2320	M1O	03-356/14:44:37.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-356/14:36:04.1
2321	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
2322	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
2323	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
2324	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
2325	M1O	03-356/14:45:00.0	63	Begin Tracking		
2326	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		
2327	M1O	03-356/14:46:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2328	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
2329	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
2330	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		
2331	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
2332	M1O	03-356/14:51:00.0	63	Range Modulation On: SUP=3.0dB		
2333	M1O	03-356/14:52:00.0	63	Begin Ranging Acquisition		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2334	M1O	03-356/15:01:57.0		NOTE: South Pole Crossing 8966		03-356/14:53:23.6
2335	M1O	03-356/15:02:04.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-356/14:53:30.8
2336	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
2337	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		
2338	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
2339	M1O	03-356/15:03:03.1		NOTE: Periapsis 8966 ----------		03-356/14:54:29.7
2340	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		
2341	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
2342	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		
2343	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
2344	M1O	03-356/15:18:47.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
2345	M1O	03-356/15:28:47.0	63	Range Modulation Off		
2346	M1O	03-356/15:30:51.9		NOTE: Enter Solar Eclipse 8966		03-356/15:22:18.4
2347	M1O	03-356/15:31:16.4		NOTE: Ascending Node Crossing 8966		03-356/15:22:42.9
2348	M1O	03-356/15:33:47.0	63	X-Band Transmitter Off		
2349	M1O	03-356/15:49:51.3		SPAWN, Engine = 65535, Parameters = 3, 00:36:28, 1	dpt	03-356/15:41:17.8
2350	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
2351	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		
2352	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
2353	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		
2354	M1O	03-356/15:50:54.5		NOTE: ENTER HGA KEEP OUT ZONE		
2355	M1O	03-356/15:50:54.5	63	NOTE: Loss Of X-Band Signal		
2356	M1O	03-356/15:53:28.1		NOTE: Exit Solar Eclipse 8966		03-356/15:44:54.5
2357	M1O	03-356/15:58:38.8		NOTE: Enter Planetary Atmosphere 8966		03-356/15:50:05.2
2358	M1O	03-356/16:00:01.8		NOTE: Enter Earth Occultation 8966		03-356/15:51:28.2
2359	M1O	03-356/16:01:10.5		NOTE: North Pole Crossing 8966		03-356/15:52:36.9
2360	M1O	03-356/16:02:46.3		NOTE: Apoapsis 8966 -		03-356/15:54:12.7
2361	M1O	03-356/16:04:15.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2362	M1O	03-356/16:09:15.0	63	Range Modulation On: SUP=3.0dB		
2363	M1O	03-356/16:10:15.0	63	Begin Ranging Acquisition		
2364	M1O	03-356/16:13:14.6		NOTE: EXIT HGA KEEP OUT ZONE		
2365	M1O	03-356/16:20:49.8		NOTE: Exit Earth Occultation 8966		03-356/16:12:16.2
2366	M1O	03-356/16:20:49.8	63	Acquisition Of X-Band Signal		
2367	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, ANT=HGA		
2368	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		
2369	M1O	03-356/16:22:13.9		NOTE: Exit Planetary Atmosphere 8966		03-356/16:13:40.2
2370	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
2371	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		
2372	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
2373	M1O	03-356/16:31:07.1		NOTE: Descending Node Crossing 8967		03-356/16:22:33.4
2374	M1O	03-356/17:00:28.5		NOTE: South Pole Crossing 8967		03-356/16:51:54.7
2375	M1O	03-356/17:01:33.2		NOTE: Periapsis 8967 ----------		03-356/16:52:59.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2376	M1O	03-356/17:17:19.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
2377	M1O	03-356/17:27:19.0	63	Range Modulation Off		
2378	M1O	03-356/17:29:22.2		NOTE: Enter Solar Eclipse 8967		03-356/17:20:48.3
2379	M1O	03-356/17:29:47.3		NOTE: Ascending Node Crossing 8967		03-356/17:21:13.5
2380	M1O	03-356/17:32:19.0	63	X-Band Transmitter Off		
2381	M1O	03-356/17:48:23.7		SPAWN, Engine = 65535, Parameters = 3, 00:36:28.083, 1	dpt	03-356/17:39:49.8
2382	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
2383	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		
2384	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
2385	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		
2386	M1O	03-356/17:49:26.9		NOTE: ENTER HGA KEEP OUT ZONE		
2387	M1O	03-356/17:49:26.9	63	NOTE: Loss Of X-Band Signal		
2388	M1O	03-356/17:51:58.5		NOTE: Exit Solar Eclipse 8967		03-356/17:43:24.5
2389	M1O	03-356/17:57:10.1		NOTE: Enter Planetary Atmosphere 8967		03-356/17:48:36.1
2390	M1O	03-356/17:58:33.2		NOTE: Enter Earth Occultation 8967		03-356/17:49:59.2
2391	M1O	03-356/17:59:41.7		NOTE: North Pole Crossing 8967		03-356/17:51:07.8
2392	M1O	03-356/18:01:14.5		NOTE: Apoapsis 8967 -		03-356/17:52:40.6
2393	M1O	03-356/18:02:46.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2394	M1O	03-356/18:07:46.0	63	Range Modulation On: SUP=3.0dB		
2395	M1O	03-356/18:08:46.0	63	Begin Ranging Acquisition		
2396	M1O	03-356/18:11:46.9		NOTE: EXIT HGA KEEP OUT ZONE		
2397	M1O	03-356/18:19:20.8		NOTE: Exit Earth Occultation 8967		03-356/18:10:46.8
2398	M1O	03-356/18:19:20.8	63	Acquisition Of X-Band Signal		
2399	M1O	03-356/18:19:20.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2400	M1O	03-356/18:19:53.9	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2401	M1O	03-356/18:20:45.0		NOTE: Exit Planetary Atmosphere 8967		03-356/18:12:10.9
2402	M1O	03-356/18:24:54.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-356/18:16:19.9
2403	M1O	03-356/18:24:54.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
2404	M1O	03-356/18:24:55.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-356/18:16:20.9
2405	M1O	03-356/18:29:38.7		NOTE: Descending Node Crossing 8968		03-356/18:21:04.6
2406	M1O	03-356/18:58:59.8		NOTE: South Pole Crossing 8968		03-356/18:50:25.7
2407	M1O	03-356/18:59:43.6		NOTE: Periapsis 8968 ----------		03-356/18:51:09.4
2408	M1O	03-356/19:15:49.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
2409	M1O	03-356/19:25:49.0	63	Range Modulation Off		
2410	M1O	03-356/19:27:55.6		NOTE: Enter Solar Eclipse 8968		03-356/19:19:21.3
2411	M1O	03-356/19:28:19.1		NOTE: Ascending Node Crossing 8968		03-356/19:19:44.9
2412	M1O	03-356/19:30:49.0	63	X-Band Transmitter Off		
2413	M1O	03-356/19:46:55.1		SPAWN, Engine = 65535, Parameters = 3, 00:36:25, 1	dpt	03-356/19:38:20.8
2414	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
2415	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		
2416	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
2417	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		
2418	M1O	03-356/19:47:58.2		NOTE: ENTER HGA KEEP OUT ZONE		
2419	M1O	03-356/19:47:58.2	63	NOTE: Loss Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2420	M1O	03-356/19:50:25.9		NOTE: Exit Solar Eclipse 8968		03-356/19:41:51.6
2421	M1O	03-356/19:55:47.7		NOTE: Enter Planetary Atmosphere 8968		03-356/19:47:13.4
2422	M1O	03-356/19:57:11.3		NOTE: Enter Earth Occultation 8968		03-356/19:48:37.0
2423	M1O	03-356/19:58:14.6		NOTE: North Pole Crossing 8968		03-356/19:49:40.3
2424	M1O	03-356/19:59:26.4		NOTE: Apoapsis 8968 -		03-356/19:50:52.0
2425	M1O	03-356/20:01:14.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2426	M1O	03-356/20:06:14.0	63	Range Modulation On: SUP=3.0dB		
2427	M1O	03-356/20:07:14.0	63	Begin Ranging Acquisition		
2428	M1O	03-356/20:10:18.3		NOTE: EXIT HGA KEEP OUT ZONE		
2429	M1O	03-356/20:17:50.7		NOTE: Exit Earth Occultation 8968		03-356/20:09:16.3
2430	M1O	03-356/20:17:50.7	63	Acquisition Of X-Band Signal		
2431	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		
2432	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		
2433	M1O	03-356/20:19:15.4		NOTE: Exit Planetary Atmosphere 8968		03-356/20:10:41.0
2434	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
2435	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		
2436	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
2437	M1O	03-356/20:28:12.4		NOTE: Descending Node Crossing 8969		03-356/20:19:37.9
2438	M1O	03-356/20:57:34.7		NOTE: South Pole Crossing 8969		03-356/20:49:00.2
2439	M1O	03-356/20:58:20.6		NOTE: Periapsis 8969 ----------		03-356/20:49:46.1
2440	M1O	03-356/21:14:23.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
2441	M1O	03-356/21:24:23.0	63	Range Modulation Off		
2442	M1O	03-356/21:26:32.6		NOTE: Enter Solar Eclipse 8969		03-356/21:17:58.0
2443	M1O	03-356/21:26:55.1		NOTE: Ascending Node Crossing 8969		03-356/21:18:20.6
2444	M1O	03-356/21:29:23.0	63	X-Band Transmitter Off		
2445	M1O	03-356/21:45:29.5		SPAWN, Engine = 65535, Parameters = 3, 00:36:24, 1	dpt	03-356/21:36:54.8
2446	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
2447	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		
2448	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
2449	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		
2450	M1O	03-356/21:46:32.6		NOTE: ENTER HGA KEEP OUT ZONE		
2451	M1O	03-356/21:46:32.6	63	NOTE: Loss Of X-Band Signal		
2452	M1O	03-356/21:48:58.9		NOTE: Exit Solar Eclipse 8969		03-356/21:40:24.3
2453	M1O	03-356/21:54:26.0		NOTE: Enter Planetary Atmosphere 8969		03-356/21:45:51.3
2454	M1O	03-356/21:55:49.9		NOTE: Enter Earth Occultation 8969		03-356/21:47:15.2
2455	M1O	03-356/21:56:50.5		NOTE: North Pole Crossing 8969		03-356/21:48:15.8
2456	M1O	03-356/21:58:16.9		NOTE: Apoapsis 8969 -		03-356/21:49:42.2
2457	M1O	03-356/21:59:47.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2458	M1O	03-356/22:04:47.0	63	Range Modulation On: SUP=3.0dB		
2459	M1O	03-356/22:05:47.0	63	Begin Ranging Acquisition		
2460	M1O	03-356/22:08:52.7		NOTE: EXIT HGA KEEP OUT ZONE		
2461	M1O	03-356/22:16:23.8		NOTE: Exit Earth Occultation 8969		03-356/22:07:49.0
2462	M1O	03-356/22:16:23.8	63	Acquisition Of X-Band Signal		
2463	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		
2464	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2465	M1O	03-356/22:17:48.7		NOTE: Exit Planetary Atmosphere 8969		03-356/22:09:14.0
2466	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
2467	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		
2468	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
2469	M1O	03-356/22:26:48.4		NOTE: Descending Node Crossing 8970		03-356/22:18:13.6
2470	M1O	03-356/22:37:51.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
2471	M1O	03-356/22:47:51.0	63	Range Modulation Off		
2472	M1O	03-356/22:52:50.2	63	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
2473	M1O	03-356/22:52:51.0	63	X-Band Transmitter Off		
2474	M1O	03-356/22:56:11.9		NOTE: South Pole Crossing 8970		03-356/22:47:37.0
2475	M1O	03-356/22:57:26.2		NOTE: Periapsis 8970 ----------		03-356/22:48:51.4
2476	M1O	03-356/23:01:49.8		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-356/22:53:15.0
2477	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
2478	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
2479	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
2480	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
2481	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
2482	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
2483	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
2484	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		
2485	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
2486	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		
2487	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
2488	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
2489	M1O	03-356/23:09:28.6	63	D/L RF Warning: SC antenna change - expect signal level variation		
2490	M1O	03-356/23:09:29.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-356/23:00:54.8
2491	M1O	03-356/23:10:00.0	63	End Tracking		
2492	M1O	03-356/23:25:00.0	63	End Post-Cal		
2493	M1O	03-356/23:25:08.8		NOTE: Enter Solar Eclipse 8970		03-356/23:16:33.9
2494	M1O	03-356/23:25:32.5		NOTE: Ascending Node Crossing 8970		03-356/23:16:57.6
2495	M1O	03-356/23:45:08.0		NOTE: ENTER HGA KEEP OUT ZONE		
2496	M1O	03-356/23:47:35.6		NOTE: Exit Solar Eclipse 8970		03-356/23:39:00.6
2497	M1O	03-356/23:53:02.6		NOTE: Enter Planetary Atmosphere 8970		03-356/23:44:27.6
2498	M1O	03-356/23:54:26.7		NOTE: Enter Earth Occultation 8970		03-356/23:45:51.7
2499	M1O	03-356/23:55:27.3		NOTE: North Pole Crossing 8970		03-356/23:46:52.3
2500	M1O	03-356/23:57:32.6		NOTE: Apoapsis 8970 -		03-356/23:48:57.6
2501	M1O	03-357/00:00:00.0		Light Time: OWLT = 08:35, RTLT = 17:10		
2502	M1O	03-357/00:07:28.0		NOTE: EXIT HGA KEEP OUT ZONE		
2503	M1O	03-357/00:14:58.9		NOTE: Exit Earth Occultation 8970		03-357/00:06:23.8
2504	M1O	03-357/00:16:23.9		NOTE: Exit Planetary Atmosphere 8970		03-357/00:07:48.9
2505	M1O	03-357/00:25:25.4		NOTE: Descending Node Crossing 8971		03-357/00:16:50.2
2506	M1O	03-357/00:45:00.0	15	Begin Pre-Cal		
2507	M1O	03-357/00:45:00.0	15	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2508	M1O	03-357/00:45:00.0	15	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
2509	M1O	03-357/00:45:00.0	15	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
2510	M1O	03-357/00:45:00.0	15	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
2511	M1O	03-357/00:45:00.0	15	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
2512	M1O	03-357/00:45:00.0	15	Config: RCV: Parms:		
2513	M1O	03-357/00:45:00.0	15	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
2514	M1O	03-357/00:45:00.0	15	Config: TGC: BAND=X, SR=221200.000000		
2515	M1O	03-357/00:45:00.0	15	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
2516	M1O	03-357/00:54:48.8		NOTE: South Pole Crossing 8971		03-357/00:46:13.6
2517	M1O	03-357/00:56:26.3		NOTE: Periapsis 8971 ----------		03-357/00:47:51.1
2518	M1O	03-357/01:23:43.0		NOTE: Enter Solar Eclipse 8971		03-357/01:15:07.7
2519	M1O	03-357/01:24:08.8		NOTE: Ascending Node Crossing 8971		03-357/01:15:33.5
2520	M1O	03-357/01:43:45.3		NOTE: ENTER HGA KEEP OUT ZONE		
2521	M1O	03-357/01:46:12.7		NOTE: Exit Solar Eclipse 8971		03-357/01:37:37.3
2522	M1O	03-357/01:51:37.1		NOTE: Enter Planetary Atmosphere 8971		03-357/01:43:01.7
2523	M1O	03-357/01:53:01.1		NOTE: Enter Earth Occultation 8971		03-357/01:44:25.7
2524	M1O	03-357/01:54:03.5		NOTE: North Pole Crossing 8971		03-357/01:45:28.1
2525	M1O	03-357/01:56:24.2		NOTE: Apoapsis 8971 -		03-357/01:47:48.8
2526	M1O	03-357/02:06:05.4		NOTE: EXIT HGA KEEP OUT ZONE		
2527	M1O	03-357/02:13:35.6		NOTE: Exit Earth Occultation 8971		03-357/02:05:00.1
2528	M1O	03-357/02:14:35.3		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-357/02:05:59.9
2529	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
2530	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
2531	M1O	03-357/02:14:37.4		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-357/02:06:02.0
2532	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
2533	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
2534	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
2535	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
2536	M1O	03-357/02:15:00.0	15	Begin Tracking		
2537	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		
2538	M1O	03-357/02:15:00.3		NOTE: Changing to 34M (HEF) downlink rate: 66360_BPS		03-357/02:06:24.9
2539	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
2540	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		
2541	M1O	03-357/02:15:00.5		NOTE: Exit Planetary Atmosphere 8971		03-357/02:06:25.1
2542	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
2543	M1O	03-357/02:20:00.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-357/02:11:25.0
2544	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		
2545	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
2546	M1O	03-357/02:24:01.8		NOTE: Descending Node Crossing 8972		03-357/02:15:26.3
2547	M1O	03-357/02:53:24.0		NOTE: South Pole Crossing 8972		03-357/02:44:48.5
2548	M1O	03-357/02:55:01.0		NOTE: Periapsis 8972 ----------		03-357/02:46:25.4
2549	M1O	03-357/03:22:14.9		NOTE: Enter Solar Eclipse 8972		03-357/03:13:39.3
2550	M1O	03-357/03:22:42.6		NOTE: Ascending Node Crossing 8972		03-357/03:14:07.0
2551	M1O	03-357/03:41:19.7		SPAWN, Engine = 65535, Parameters = 3, 00:35:49.644, 1	dpt	03-357/03:32:44.0
2552	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
2553	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2554	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
2555	M1O	03-357/03:42:21.7		NOTE: ENTER HGA KEEP OUT ZONE		
2556	M1O	03-357/03:42:21.7	15	NOTE: Loss Of X-Band Signal		
2557	M1O	03-357/03:44:48.5		NOTE: Exit Solar Eclipse 8972		03-357/03:36:12.8
2558	M1O	03-357/03:50:07.6		NOTE: Enter Planetary Atmosphere 8972		03-357/03:41:31.8
2559	M1O	03-357/03:51:31.2		NOTE: Enter Earth Occultation 8972		03-357/03:42:55.5
2560	M1O	03-357/03:52:37.2		NOTE: North Pole Crossing 8972		03-357/03:44:01.5
2561	M1O	03-357/03:54:42.1		NOTE: Apoapsis 8972 -		03-357/03:46:06.4
2562	M1O	03-357/04:04:41.7		NOTE: EXIT HGA KEEP OUT ZONE		
2563	M1O	03-357/04:12:11.4		NOTE: Exit Earth Occultation 8972		03-357/04:03:35.6
2564	M1O	03-357/04:12:11.4	15	Acquisition Of X-Band Signal		
2565	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		
2566	M1O	03-357/04:13:36.1		NOTE: Exit Planetary Atmosphere 8972		03-357/04:05:00.3
2567	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
2568	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		
2569	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
2570	M1O	03-357/04:22:35.1		NOTE: Descending Node Crossing 8973		03-357/04:13:59.3
2571	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
2572	M1O	03-357/04:35:35.9		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-357/04:27:00.1
2573	M1O	03-357/04:35:36.9		Forces a desaturation of the reaction wheels.	RW_DESAT	03-357/04:27:01.1
2574	M1O	03-357/04:38:58.8		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-357/04:30:23.0
2575	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
2576	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
2577	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
2578	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
2579	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
2580	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
2581	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
2582	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		
2583	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
2584	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		
2585	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
2586	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
2587	M1O	03-357/04:46:37.7	15	D/L RF Warning: SC antenna change - expect signal level variation		
2588	M1O	03-357/04:46:38.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-357/04:38:02.8
2589	M1O	03-357/04:47:07.0		CALL, Engine = , Parameters = FALSE	park_hga	03-357/04:38:31.1
2590	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
2591	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
2592	M1O	03-357/04:47:09.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-357/04:38:33.1
2593	M1O	03-357/04:47:09.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-357/04:38:33.1
2594	M1O	03-357/04:47:09.0		NOTE: START HGA PARK		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2595	M1O	03-357/04:47:09.0	15	NOTE: Loss Of X-Band Signal		
2596	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
2597	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
2598	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
2599	M1O	03-357/04:51:56.3		NOTE: South Pole Crossing 8973		03-357/04:43:20.4
2600	M1O	03-357/04:53:11.3		NOTE: Periapsis 8973 ----------		03-357/04:44:35.3
2601	M1O	03-357/04:55:11.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-357/04:46:35.1
2602	M1O	03-357/04:55:11.0		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-357/04:46:35.1
2603	M1O	03-357/05:00:00.0	43	Begin Pre-Cal		
2604	M1O	03-357/05:00:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
2605	M1O	03-357/05:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
2606	M1O	03-357/05:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
2607	M1O	03-357/05:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
2608	M1O	03-357/05:00:00.0	43	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
2609	M1O	03-357/05:00:00.0	43	Config: RCV: Parms:		
2610	M1O	03-357/05:00:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
2611	M1O	03-357/05:00:00.0	43	Config: TGC: BAND=X, SR=132720.000000		
2612	M1O	03-357/05:00:00.0	43	Config: TXL		
2613	M1O	03-357/05:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
2614	M1O	03-357/05:00:00.0	43	Config: CMD		
2615	M1O	03-357/05:00:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
2616	M1O	03-357/05:20:46.7		NOTE: Enter Solar Eclipse 8973		03-357/05:12:10.7
2617	M1O	03-357/05:21:14.5		NOTE: Ascending Node Crossing 8973		03-357/05:12:38.5
2618	M1O	03-357/05:25:11.0		GV: GV_DESAT_ACTIVE = 1		03-357/05:16:35.0
2619	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
2620	M1O	03-357/05:25:12.0		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-357/05:16:36.0
2621	M1O	03-357/05:35:11.0		GV: GV_DESAT_ACTIVE = 0		03-357/05:26:35.0
2622	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
2623	M1O	03-357/05:35:13.0		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-357/05:26:37.0
2624	M1O	03-357/05:35:14.0		CALL, Engine = , Parameters =	unpark_hga	03-357/05:26:38.0
2625	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
2626	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
2627	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
2628	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
2629	M1O	03-357/05:40:55.0		NOTE: ENTER HGA KEEP OUT ZONE		
2630	M1O	03-357/05:43:21.5		NOTE: Exit Solar Eclipse 8973		03-357/05:34:45.4
2631	M1O	03-357/05:43:46.0		NOTE: EXIT HGA PARK		
2632	M1O	03-357/05:48:36.2		NOTE: Enter Planetary Atmosphere 8973		03-357/05:40:00.1
2633	M1O	03-357/05:49:59.6		NOTE: Enter Earth Occultation 8973		03-357/05:41:23.5
2634	M1O	03-357/05:51:08.5		NOTE: North Pole Crossing 8973		03-357/05:42:32.4
2635	M1O	03-357/05:52:58.3		NOTE: Apoapsis 8973 -		03-357/05:44:22.2
2636	M1O	03-357/06:03:15.1		NOTE: EXIT HGA KEEP OUT ZONE		
2637	M1O	03-357/06:10:18.2		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-357/06:01:42.0
2638	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
2639	M1O	03-357/06:10:19.3		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	03-357/06:01:43.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
2640	M1O	03-357/06:10:20.3		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-357/06:01:44.1
2641	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
2642	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
2643	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
2644	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
2645	M1O	03-357/06:10:43.2		NOTE: Exit Earth Occultation 8973		03-357/06:02:07.0
2646	M1O	03-357/06:10:43.2	15	Acquisition Of X-Band Signal		
2647	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		
2648	M1O	03-357/06:12:07.6		NOTE: Exit Planetary Atmosphere 8973		03-357/06:03:31.5
2649	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
2650	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
2651	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		
2652	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
2653	M1O	03-357/06:21:05.4		NOTE: Descending Node Crossing 8974		03-357/06:12:29.2
2654	M1O	03-357/06:28:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-357/06:20:21.8
2655	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
2656	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		
2657	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
2658	M1O	03-357/06:30:00.0	43	Begin Tracking		
2659	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		
2660	M1O	03-357/06:30:00.0		NOTE: Changing to 70M downlink rate: 110600_BPS		03-357/06:21:23.8
2661	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
2662	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		
2663	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		
2664	M1O	03-357/06:31:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2665	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
2666	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		
2667	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		
2668	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
2669	M1O	03-357/06:36:00.0	43	Range Modulation On: SUP=3.0dB		
2670	M1O	03-357/06:37:00.0	43	Begin Ranging Acquisition		
2671	M1O	03-357/06:47:10.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-357/06:38:34.0
2672	M1O	03-357/06:47:12.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-357/06:38:36.1
2673	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		
2674	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		
2675	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
2676	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		
2677	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		
2678	M1O	03-357/06:50:27.1		NOTE: South Pole Crossing 8974		03-357/06:41:50.8
2679	M1O	03-357/06:51:30.3		NOTE: Periapsis 8974 ----------		03-357/06:42:54.0
2680	M1O	03-357/06:53:12.4		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	03-357/06:44:36.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
2681	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		
2682	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		
2683	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
2684	M1O	03-357/07:07:11.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
2685	M1O	03-357/07:08:36.3		SPAWN, Engine = 65535, Parameters =	scdiag	03-357/07:00:00.0
2686	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
2687	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
2688	M1O	03-357/07:09:39.3		SPAWN, Engine = 65535, Parameters = WEEKLY	fsw_diag	03-357/07:01:03.0
2689	M1O	03-357/07:09:39.5		NOTE: Start Block fsw_diag		03-357/07:01:03.2
2690	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]	FSW_VX_CMD	03-357/07:01:04.2
2691	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
2692	M1O	03-357/07:09:52.5		NOTE: End Block fsw_diag.mod		03-357/07:01:16.2
2693	M1O	03-357/07:09:54.0	15	NOTE: Below Uplink Interlock Limit		
2694	M1O	03-357/07:10:52.3		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-357/07:02:16.0
2695	M1O	03-357/07:10:52.5		NOTE: Start Block fsw_diag		03-357/07:02:16.2
2696	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
2697	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
2698	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
2699	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
2700	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
2701	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
2702	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
2703	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
2704	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
2705	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
2706	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
2707	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
2708	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
2709	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
2710	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
2711	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
2712	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
2713	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
2714	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
2715	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
2716	M1O	03-357/07:14:03.5		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-357/07:05:27.2
2717	M1O	03-357/07:14:14.5		NOTE: End Block fsw_diag.mod		03-357/07:05:38.2
2718	M1O	03-357/07:17:11.0	43	Range Modulation Off		
2719	M1O	03-357/07:19:19.8		NOTE: Enter Solar Eclipse 8974		03-357/07:10:43.4
2720	M1O	03-357/07:19:46.4		NOTE: Ascending Node Crossing 8974		03-357/07:11:10.1
2721	M1O	03-357/07:20:00.0	15	End Tracking		
2722	M1O	03-357/07:22:11.0	43	X-Band Transmitter Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2723	M1O	03-357/07:35:00.0	15	End Post-Cal		
2724	M1O	03-357/07:38:21.4		SPAWN, Engine = 65535, Parameters = 3, 00:36:20, 1	dpt	03-357/07:29:45.0
2725	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
2726	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		
2727	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
2728	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		
2729	M1O	03-357/07:39:25.4		NOTE: ENTER HGA KEEP OUT ZONE		
2730	M1O	03-357/07:39:25.4	43	NOTE: Loss Of X-Band Signal		
2731	M1O	03-357/07:41:50.1		NOTE: Exit Solar Eclipse 8974		03-357/07:33:13.7
2732	M1O	03-357/07:47:11.8		NOTE: Enter Planetary Atmosphere 8974		03-357/07:38:35.4
2733	M1O	03-357/07:48:35.8		NOTE: Enter Earth Occultation 8974		03-357/07:39:59.3
2734	M1O	03-357/07:49:40.8		NOTE: North Pole Crossing 8974		03-357/07:41:04.3
2735	M1O	03-357/07:51:36.9		NOTE: Apoapsis 8974 -		03-357/07:43:00.4
2736	M1O	03-357/07:52:31.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2737	M1O	03-357/07:57:31.0	43	Range Modulation On: SUP=3.0dB		
2738	M1O	03-357/07:58:31.0	43	Begin Ranging Acquisition		
2739	M1O	03-357/08:01:45.4		NOTE: EXIT HGA KEEP OUT ZONE		
2740	M1O	03-357/08:09:12.2		NOTE: Exit Earth Occultation 8974		03-357/08:00:35.7
2741	M1O	03-357/08:09:12.2	43	Acquisition Of X-Band Signal		
2742	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		
2743	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		
2744	M1O	03-357/08:10:37.1		NOTE: Exit Planetary Atmosphere 8974		03-357/08:02:00.6
2745	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
2746	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		
2747	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
2748	M1O	03-357/08:19:38.0		NOTE: Descending Node Crossing 8975		03-357/08:11:01.4
2749	M1O	03-357/08:49:00.5		NOTE: South Pole Crossing 8975		03-357/08:40:23.8
2750	M1O	03-357/08:50:07.2		NOTE: Periapsis 8975 ----------		03-357/08:41:30.6
2751	M1O	03-357/09:05:43.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
2752	M1O	03-357/09:15:43.0	43	Range Modulation Off		
2753	M1O	03-357/09:17:54.3		NOTE: Enter Solar Eclipse 8975		03-357/09:09:17.6
2754	M1O	03-357/09:18:20.6		NOTE: Ascending Node Crossing 8975		03-357/09:09:43.9
2755	M1O	03-357/09:20:43.0	43	X-Band Transmitter Off		
2756	M1O	03-357/09:36:53.8		SPAWN, Engine = 65535, Parameters = 3, 00:36:20, 1	dpt	03-357/09:28:17.0
2757	M1O	03-357/09:36:55.9		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-357/09:28:19.1
2758	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		
2759	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
2760	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		
2761	M1O	03-357/09:37:57.7		NOTE: ENTER HGA KEEP OUT ZONE		
2762	M1O	03-357/09:37:57.7	43	NOTE: Loss Of X-Band Signal		
2763	M1O	03-357/09:40:19.7		NOTE: Exit Solar Eclipse 8975		03-357/09:31:42.9
2764	M1O	03-357/09:45:52.7		NOTE: Enter Planetary Atmosphere 8975		03-357/09:37:15.9
2765	M1O	03-357/09:47:17.2		NOTE: Enter Earth Occultation 8975		03-357/09:38:40.4
2766	M1O	03-357/09:48:16.2		NOTE: North Pole Crossing 8975		03-357/09:39:39.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2767	M1O	03-357/09:50:12.1		NOTE: Apoapsis 8975 -		03-357/09:41:35.3
2768	M1O	03-357/09:51:03.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2769	M1O	03-357/09:56:03.0	43	Range Modulation On: SUP=3.0dB		
2770	M1O	03-357/09:57:03.0	43	Begin Ranging Acquisition		
2771	M1O	03-357/09:57:46.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
2772	M1O	03-357/10:00:17.8		NOTE: EXIT HGA KEEP OUT ZONE		
2773	M1O	03-357/10:07:44.3		NOTE: Exit Earth Occultation 8975		03-357/09:59:07.5
2774	M1O	03-357/10:07:44.3	43	Acquisition Of X-Band Signal		
2775	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		
2776	M1O	03-357/10:07:46.0	43	Range Modulation Off		
2777	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		
2778	M1O	03-357/10:09:09.9		NOTE: Exit Planetary Atmosphere 8975		03-357/10:00:33.0
2779	M1O	03-357/10:12:46.0	43	X-Band Transmitter Off		
2780	M1O	03-357/10:12:46.1	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
2781	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
2782	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		
2783	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
2784	M1O	03-357/10:18:14.9		NOTE: Descending Node Crossing 8976		03-357/10:09:37.9
2785	M1O	03-357/10:21:48.9		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-357/10:13:12.0
2786	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
2787	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
2788	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
2789	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
2790	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
2791	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
2792	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
2793	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		
2794	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
2795	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		
2796	M1O	03-357/10:29:11.7		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-357/10:20:34.8
2797	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
2798	M1O	03-357/10:29:27.7	43	D/L RF Warning: SC antenna change - expect signal level variation		
2799	M1O	03-357/10:29:28.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-357/10:20:51.8
2800	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		
2801	M1O	03-357/10:30:00.0	43	End Tracking		
2802	M1O	03-357/10:45:00.0	43	End Post-Cal		
2803	M1O	03-357/10:47:37.3		NOTE: South Pole Crossing 8976		03-357/10:39:00.3
2804	M1O	03-357/10:48:49.2		NOTE: Periapsis 8976 ----------		03-357/10:40:12.2
2805	M1O	03-357/11:16:30.0		NOTE: Enter Solar Eclipse 8976		03-357/11:07:52.9
2806	M1O	03-357/11:16:56.9		NOTE: Ascending Node Crossing 8976		03-357/11:08:19.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2807	M1O	03-357/11:36:35.1		NOTE: ENTER HGA KEEP OUT ZONE		
2808	M1O	03-357/11:38:53.9		NOTE: Exit Solar Eclipse 8976		03-357/11:30:16.7
2809	M1O	03-357/11:44:31.1		NOTE: Enter Planetary Atmosphere 8976		03-357/11:35:54.0
2810	M1O	03-357/11:45:55.8		NOTE: Enter Earth Occultation 8976		03-357/11:37:18.6
2811	M1O	03-357/11:46:53.0		NOTE: North Pole Crossing 8976		03-357/11:38:15.8
2812	M1O	03-357/11:48:39.9		NOTE: Apoapsis 8976 -		03-357/11:40:02.7
2813	M1O	03-357/11:58:55.2		NOTE: EXIT HGA KEEP OUT ZONE		
2814	M1O	03-357/12:00:00.0	65	Begin Pre-Cal		
2815	M1O	03-357/12:00:00.0	65	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
2816	M1O	03-357/12:00:00.0	65	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
2817	M1O	03-357/12:00:00.0	65	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
2818	M1O	03-357/12:00:00.0	65	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
2819	M1O	03-357/12:00:00.0	65	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
2820	M1O	03-357/12:00:00.0	65	Config: RCV: Parms:		
2821	M1O	03-357/12:00:00.0	65	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
2822	M1O	03-357/12:00:00.0	65	Config: TGC: BAND=X, SR=221200.000000		
2823	M1O	03-357/12:00:00.0	65	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
2824	M1O	03-357/12:06:20.4		NOTE: Exit Earth Occultation 8976		03-357/11:57:43.1
2825	M1O	03-357/12:07:46.1		NOTE: Exit Planetary Atmosphere 8976		03-357/11:59:08.8
2826	M1O	03-357/12:16:52.1		NOTE: Descending Node Crossing 8977		03-357/12:08:14.8
2827	M1O	03-357/12:46:14.5		NOTE: South Pole Crossing 8977		03-357/12:37:37.2
2828	M1O	03-357/12:47:22.4		NOTE: Periapsis 8977 ----------		03-357/12:38:45.0
2829	M1O	03-357/13:14:35.1		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-357/13:05:57.7
2830	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
2831	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
2832	M1O	03-357/13:14:37.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-357/13:05:59.8
2833	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
2834	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
2835	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
2836	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
2837	M1O	03-357/13:15:00.0	65	Begin Tracking		
2838	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		
2839	M1O	03-357/13:15:00.2		NOTE: Changing to 34M (HEF) downlink rate: 66360_BPS		03-357/13:06:22.7
2840	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
2841	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		
2842	M1O	03-357/13:15:06.8		NOTE: Enter Solar Eclipse 8977		03-357/13:06:29.3
2843	M1O	03-357/13:15:34.0		NOTE: Ascending Node Crossing 8977		03-357/13:06:56.6
2844	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
2845	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
2846	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		
2847	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
2848	M1O	03-357/13:34:10.4		SPAWN, Engine = 65535, Parameters = 3, 00:35:45.554, 1	dpt	03-357/13:25:33.0
2849	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
2850	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		
2851	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2852	M1O	03-357/13:35:12.5		NOTE: ENTER HGA KEEP OUT ZONE		
2853	M1O	03-357/13:35:12.5	65	NOTE: Loss Of X-Band Signal		
2854	M1O	03-357/13:37:31.7		NOTE: Exit Solar Eclipse 8977		03-357/13:28:54.2
2855	M1O	03-357/13:43:05.1		NOTE: Enter Planetary Atmosphere 8977		03-357/13:34:27.6
2856	M1O	03-357/13:44:29.5		NOTE: Enter Earth Occultation 8977		03-357/13:35:51.9
2857	M1O	03-357/13:45:29.5		NOTE: North Pole Crossing 8977		03-357/13:36:51.9
2858	M1O	03-357/13:47:01.1		NOTE: Apoapsis 8977 -		03-357/13:38:23.6
2859	M1O	03-357/13:57:32.5		NOTE: EXIT HGA KEEP OUT ZONE		
2860	M1O	03-357/14:04:58.1		NOTE: Exit Earth Occultation 8977		03-357/13:56:20.5
2861	M1O	03-357/14:04:58.1	65	Acquisition Of X-Band Signal		
2862	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		
2863	M1O	03-357/14:06:23.5		NOTE: Exit Planetary Atmosphere 8977		03-357/13:57:45.9
2864	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
2865	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		
2866	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
2867	M1O	03-357/14:15:27.7		NOTE: Descending Node Crossing 8978		03-357/14:06:50.1
2868	M1O	03-357/14:44:50.2		NOTE: South Pole Crossing 8978		03-357/14:36:12.5
2869	M1O	03-357/14:46:00.6		NOTE: Periapsis 8978 ----------		03-357/14:37:22.9
2870	M1O	03-357/15:13:41.7		NOTE: Enter Solar Eclipse 8978		03-357/15:05:03.9
2871	M1O	03-357/15:14:09.6		NOTE: Ascending Node Crossing 8978		03-357/15:05:31.8
2872	M1O	03-357/15:32:45.8		SPAWN, Engine = 65535, Parameters = 3, 00:35:46.493, 1	dpt	03-357/15:24:08.0
2873	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
2874	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		
2875	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
2876	M1O	03-357/15:33:47.8		NOTE: ENTER HGA KEEP OUT ZONE		
2877	M1O	03-357/15:33:47.8	65	NOTE: Loss Of X-Band Signal		
2878	M1O	03-357/15:36:10.1		NOTE: Exit Solar Eclipse 8978		03-357/15:27:32.2
2879	M1O	03-357/15:41:34.5		NOTE: Enter Planetary Atmosphere 8978		03-357/15:32:56.7
2880	M1O	03-357/15:42:58.5		NOTE: Enter Earth Occultation 8978		03-357/15:34:20.6
2881	M1O	03-357/15:44:03.9		NOTE: North Pole Crossing 8978		03-357/15:35:26.0
2882	M1O	03-357/15:45:39.5		NOTE: Apoapsis 8978 -		03-357/15:37:01.6
2883	M1O	03-357/15:56:07.9		NOTE: EXIT HGA KEEP OUT ZONE		
2884	M1O	03-357/16:03:34.4		NOTE: Exit Earth Occultation 8978		03-357/15:54:56.4
2885	M1O	03-357/16:03:34.4	65	Acquisition Of X-Band Signal		
2886	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		
2887	M1O	03-357/16:04:59.3		NOTE: Exit Planetary Atmosphere 8978		03-357/15:56:21.3
2888	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
2889	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		
2890	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
2891	M1O	03-357/16:14:00.9		NOTE: Descending Node Crossing 8979		03-357/16:05:22.9
2892	M1O	03-357/16:43:22.9		NOTE: South Pole Crossing 8979		03-357/16:34:44.9
2893	M1O	03-357/16:44:35.7		NOTE: Periapsis 8979 ----------		03-357/16:35:57.6
2894	M1O	03-357/17:12:13.3		NOTE: Enter Solar Eclipse 8979		03-357/17:03:35.1
2895	M1O	03-357/17:12:42.0		NOTE: Ascending Node Crossing 8979		03-357/17:04:03.9
2896	M1O	03-357/17:31:19.2		SPAWN, Engine = 65535, Parameters = 3, 00:35:44.585, 1	dpt	03-357/17:22:41.0
2897	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
2898	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2899	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
2900	M1O	03-357/17:32:21.2		NOTE: ENTER HGA KEEP OUT ZONE		
2901	M1O	03-357/17:32:21.2	65	NOTE: Loss Of X-Band Signal		
2902	M1O	03-357/17:34:43.9		NOTE: Exit Solar Eclipse 8979		03-357/17:26:05.7
2903	M1O	03-357/17:40:04.0		NOTE: Enter Planetary Atmosphere 8979		03-357/17:31:25.7
2904	M1O	03-357/17:41:27.7		NOTE: Enter Earth Occultation 8979		03-357/17:32:49.5
2905	M1O	03-357/17:42:35.9		NOTE: North Pole Crossing 8979		03-357/17:33:57.7
2906	M1O	03-357/17:44:24.6		NOTE: Apoapsis 8979 -		03-357/17:35:46.4
2907	M1O	03-357/17:54:41.2		NOTE: EXIT HGA KEEP OUT ZONE		
2908	M1O	03-357/18:02:06.9		NOTE: Exit Earth Occultation 8979		03-357/17:53:28.6
2909	M1O	03-357/18:02:06.9	65	Acquisition Of X-Band Signal		
2910	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		
2911	M1O	03-357/18:03:31.7		NOTE: Exit Planetary Atmosphere 8979		03-357/17:54:53.4
2912	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
2913	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		
2914	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
2915	M1O	03-357/18:12:32.6		NOTE: Descending Node Crossing 8980		03-357/18:03:54.3
2916	M1O	03-357/18:41:53.8		NOTE: South Pole Crossing 8980		03-357/18:33:15.3
2917	M1O	03-357/18:42:54.6		NOTE: Periapsis 8980 ----------		03-357/18:34:16.1
2918	M1O	03-357/19:10:44.2		NOTE: Enter Solar Eclipse 8980		03-357/19:02:05.7
2919	M1O	03-357/19:11:12.4		NOTE: Ascending Node Crossing 8980		03-357/19:02:33.9
2920	M1O	03-357/19:29:50.5		SPAWN, Engine = 65535, Parameters = 3, 00:35:43.843, 1	dpt	03-357/19:21:12.0
2921	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
2922	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		
2923	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
2924	M1O	03-357/19:30:52.5		NOTE: ENTER HGA KEEP OUT ZONE		
2925	M1O	03-357/19:30:52.5	65	NOTE: Loss Of X-Band Signal		
2926	M1O	03-357/19:33:11.0		NOTE: Exit Solar Eclipse 8980		03-357/19:24:32.4
2927	M1O	03-357/19:38:39.1		NOTE: Enter Planetary Atmosphere 8980		03-357/19:30:00.5
2928	M1O	03-357/19:40:03.2		NOTE: Enter Earth Occultation 8980		03-357/19:31:24.6
2929	M1O	03-357/19:41:07.4		NOTE: North Pole Crossing 8980		03-357/19:32:28.8
2930	M1O	03-357/19:42:36.3		NOTE: Apoapsis 8980 -		03-357/19:33:57.7
2931	M1O	03-357/19:53:12.6		NOTE: EXIT HGA KEEP OUT ZONE		
2932	M1O	03-357/20:00:36.5		NOTE: Exit Earth Occultation 8980		03-357/19:51:57.8
2933	M1O	03-357/20:00:36.5	65	Acquisition Of X-Band Signal		
2934	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		
2935	M1O	03-357/20:02:01.6		NOTE: Exit Planetary Atmosphere 8980		03-357/19:53:23.0
2936	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
2937	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		
2938	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
2939	M1O	03-357/20:11:05.1		NOTE: Descending Node Crossing 8981		03-357/20:02:26.4
2940	M1O	03-357/20:40:26.6		NOTE: South Pole Crossing 8981		03-357/20:31:47.8
2941	M1O	03-357/20:41:07.8		NOTE: Periapsis 8981 ----------		03-357/20:32:29.0
2942	M1O	03-357/21:00:00.0	24	Begin Pre-Cal		
2943	M1O	03-357/21:00:00.0	24	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
2944	M1O	03-357/21:00:00.0	24	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
2945	M1O	03-357/21:00:00.0	24	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2946	M1O	03-357/21:00:00.0	24	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
2947	M1O	03-357/21:00:00.0	24	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
2948	M1O	03-357/21:00:00.0	24	Config: RCV: Parms:		
2949	M1O	03-357/21:00:00.0	24	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
2950	M1O	03-357/21:00:00.0	24	Config: TGC: BAND=X, SR=132720.000000		
2951	M1O	03-357/21:00:00.0	24	Config: TXL		
2952	M1O	03-357/21:00:00.0	24	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
2953	M1O	03-357/21:00:00.0	24	Config: CMD		
2954	M1O	03-357/21:00:00.0	24	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
2955	M1O	03-357/21:09:20.2		NOTE: Enter Solar Eclipse 8981		03-357/21:00:41.3
2956	M1O	03-357/21:09:46.2		NOTE: Ascending Node Crossing 8981		03-357/21:01:07.4
2957	M1O	03-357/21:28:22.9		SPAWN, Engine = 65535, Parameters = 3, 00:35:42.890, 1	dpt	03-357/21:19:44.0
2958	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
2959	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		
2960	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
2961	M1O	03-357/21:29:24.9		NOTE: ENTER HGA KEEP OUT ZONE		
2962	M1O	03-357/21:29:24.9	65	NOTE: Loss Of X-Band Signal		
2963	M1O	03-357/21:31:40.2		NOTE: Exit Solar Eclipse 8981		03-357/21:23:01.3
2964	M1O	03-357/21:37:18.4		NOTE: Enter Planetary Atmosphere 8981		03-357/21:28:39.4
2965	M1O	03-357/21:38:43.0		NOTE: Enter Earth Occultation 8981		03-357/21:30:04.1
2966	M1O	03-357/21:39:42.0		NOTE: North Pole Crossing 8981		03-357/21:31:03.1
2967	M1O	03-357/21:40:57.2		NOTE: Apoapsis 8981 -		03-357/21:32:18.2
2968	M1O	03-357/21:51:44.9		NOTE: EXIT HGA KEEP OUT ZONE		
2969	M1O	03-357/21:59:07.9		NOTE: Exit Earth Occultation 8981		03-357/21:50:28.8
2970	M1O	03-357/21:59:07.9	65	Acquisition Of X-Band Signal		
2971	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		
2972	M1O	03-357/22:00:33.6		NOTE: Exit Planetary Atmosphere 8981		03-357/21:51:54.5
2973	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
2974	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		
2975	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
2976	M1O	03-357/22:09:40.1		NOTE: Descending Node Crossing 8982		03-357/22:01:01.1
2977	M1O	03-357/22:30:00.0	24	Begin Tracking		
2978	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		
2979	M1O	03-357/22:31:00.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
2980	M1O	03-357/22:36:00.0	24	Range Modulation On: SUP=3.0dB		
2981	M1O	03-357/22:37:00.0	24	Begin Ranging Acquisition		
2982	M1O	03-357/22:39:03.0		NOTE: South Pole Crossing 8982		03-357/22:30:23.9
2983	M1O	03-357/22:40:03.0		NOTE: Periapsis 8982 ----------		03-357/22:31:23.9
2984	M1O	03-357/22:47:15.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-357/22:38:36.2
2985	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
2986	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		
2987	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		
2988	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
2989	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		
2990	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		
2991	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
2992	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		
2993	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		
2994	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
2995	M1O	03-357/22:55:41.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
2996	M1O	03-357/23:05:41.0	24	Range Modulation Off		
2997	M1O	03-357/23:07:57.3		NOTE: Enter Solar Eclipse 8982		03-357/22:59:18.0
2998	M1O	03-357/23:08:23.5		NOTE: Ascending Node Crossing 8982		03-357/22:59:44.3
2999	M1O	03-357/23:10:41.0	24	X-Band Transmitter Off		
3000	M1O	03-357/23:26:56.5		SPAWN, Engine = 65535, Parameters = 3, 00:36:15, 1	dpt	03-357/23:18:17.2
3001	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
3002	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		
3003	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		
3004	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
3005	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		
3006	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		
3007	M1O	03-357/23:28:00.2		NOTE: ENTER HGA KEEP OUT ZONE		
3008	M1O	03-357/23:28:00.2	24	NOTE: Loss Of X-Band Signal		
3009	M1O	03-357/23:28:00.2	65	NOTE: Loss Of X-Band Signal		
3010	M1O	03-357/23:30:15.9		NOTE: Exit Solar Eclipse 8982		03-357/23:21:36.6
3011	M1O	03-357/23:35:55.9		NOTE: Enter Planetary Atmosphere 8982		03-357/23:27:16.6
3012	M1O	03-357/23:36:27.0	65	NOTE: Below Uplink Interlock Limit		
3013	M1O	03-357/23:37:20.8		NOTE: Enter Earth Occultation 8982		03-357/23:28:41.4
3014	M1O	03-357/23:38:18.8		NOTE: North Pole Crossing 8982		03-357/23:29:39.4
3015	M1O	03-357/23:40:05.1		NOTE: Apoapsis 8982 -		03-357/23:31:25.8
3016	M1O	03-357/23:40:56.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3017	M1O	03-357/23:45:56.0	24	Range Modulation On: SUP=3.0dB		
3018	M1O	03-357/23:46:56.0	24	Begin Ranging Acquisition		
3019	M1O	03-357/23:50:00.0	65	End Tracking		
3020	M1O	03-357/23:50:01.0		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		03-357/23:41:21.6
3021	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
3022	M1O	03-357/23:50:20.3		NOTE: EXIT HGA KEEP OUT ZONE		
3023	M1O	03-357/23:57:42.3		NOTE: Exit Earth Occultation 8982		03-357/23:49:02.9
3024	M1O	03-357/23:57:42.3	24	Acquisition Of X-Band Signal		
3025	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		
3026	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		
3027	M1O	03-357/23:59:08.2		NOTE: Exit Planetary Atmosphere 8982		03-357/23:50:28.8
3028	M1O	03-358/00:00:00.0		Light Time: OWLT = 08:39, RTLT = 17:18		
3029	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
3030	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		
3031	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
3032	M1O	03-358/00:05:00.0	65	End Post-Cal		
3033	M1O	03-358/00:08:16.9		NOTE: Descending Node Crossing 8983		03-357/23:59:37.5
3034	M1O	03-358/00:37:40.5		NOTE: South Pole Crossing 8983		03-358/00:29:01.0
3035	M1O	03-358/00:39:09.5		NOTE: Periapsis 8983 ----------		03-358/00:30:30.0
3036	M1O	03-358/00:54:36.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
3037	M1O	03-358/01:04:36.0	24	Range Modulation Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3038	M1O	03-358/01:06:32.6		NOTE: Enter Solar Eclipse 8983		03-358/00:57:53.1
3039	M1O	03-358/01:07:00.7		NOTE: Ascending Node Crossing 8983		03-358/00:58:21.1
3040	M1O	03-358/01:09:36.0	24	X-Band Transmitter Off		
3041	M1O	03-358/01:25:52.9		SPAWN, Engine = 65535, Parameters = 3, 00:35:55, 1	dpt	03-358/01:17:13.3
3042	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
3043	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		
3044	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
3045	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		
3046	M1O	03-358/01:26:56.6		NOTE: ENTER HGA KEEP OUT ZONE		
3047	M1O	03-358/01:26:56.6	24	NOTE: Loss Of X-Band Signal		
3048	M1O	03-358/01:28:53.2		NOTE: Exit Solar Eclipse 8983		03-358/01:20:13.5
3049	M1O	03-358/01:34:31.8		NOTE: Enter Planetary Atmosphere 8983		03-358/01:25:52.1
3050	M1O	03-358/01:35:56.7		NOTE: Enter Earth Occultation 8983		03-358/01:27:17.0
3051	M1O	03-358/01:36:55.6		NOTE: North Pole Crossing 8983		03-358/01:28:16.0
3052	M1O	03-358/01:39:13.1		NOTE: Apoapsis 8983 -		03-358/01:30:33.4
3053	M1O	03-358/01:39:31.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3054	M1O	03-358/01:44:31.0	24	Range Modulation On: SUP=3.0dB		
3055	M1O	03-358/01:45:31.0	24	Begin Ranging Acquisition		
3056	M1O	03-358/01:48:56.7		NOTE: EXIT HGA KEEP OUT ZONE		
3057	M1O	03-358/01:56:18.4		NOTE: Exit Earth Occultation 8983		03-358/01:47:38.7
3058	M1O	03-358/01:56:18.4	24	Acquisition Of X-Band Signal		
3059	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		
3060	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		
3061	M1O	03-358/01:57:44.3		NOTE: Exit Planetary Atmosphere 8983		03-358/01:49:04.5
3062	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
3063	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		
3064	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
3065	M1O	03-358/02:06:54.1		NOTE: Descending Node Crossing 8984		03-358/01:58:14.3
3066	M1O	03-358/02:36:17.0		NOTE: South Pole Crossing 8984		03-358/02:27:37.1
3067	M1O	03-358/02:37:59.6		NOTE: Periapsis 8984 ----------		03-358/02:29:19.8
3068	M1O	03-358/02:52:53.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
3069	M1O	03-358/03:02:53.0	24	Range Modulation Off		
3070	M1O	03-358/03:05:05.8		NOTE: Enter Solar Eclipse 8984		03-358/02:56:25.9
3071	M1O	03-358/03:05:36.1		NOTE: Ascending Node Crossing 8984		03-358/02:56:56.2
3072	M1O	03-358/03:07:53.0	24	X-Band Transmitter Off		
3073	M1O	03-358/03:24:10.3		SPAWN, Engine = 65535, Parameters = 3, 00:36:14, 1	dpt	03-358/03:15:30.3
3074	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
3075	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		
3076	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
3077	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		
3078	M1O	03-358/03:25:14.0		NOTE: ENTER HGA KEEP OUT ZONE		
3079	M1O	03-358/03:25:14.0	24	NOTE: Loss Of X-Band Signal		
3080	M1O	03-358/03:27:30.3		NOTE: Exit Solar Eclipse 8984		03-358/03:18:50.2
3081	M1O	03-358/03:33:04.1		NOTE: Enter Planetary Atmosphere 8984		03-358/03:24:24.1
3082	M1O	03-358/03:34:28.7		NOTE: Enter Earth Occultation 8984		03-358/03:25:48.7
3083	M1O	03-358/03:35:30.8		NOTE: North Pole Crossing 8984		03-358/03:26:50.8
3084	M1O	03-358/03:37:48.5		NOTE: Apoapsis 8984 -		03-358/03:29:08.4
3085	M1O	03-358/03:38:07.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3086	M1O	03-358/03:43:07.0	24	Range Modulation On: SUP=3.0dB		
3087	M1O	03-358/03:44:07.0	24	Begin Ranging Acquisition		
3088	M1O	03-358/03:47:34.0		NOTE: EXIT HGA KEEP OUT ZONE		
3089	M1O	03-358/03:54:55.3		NOTE: Exit Earth Occultation 8984		03-358/03:46:15.2
3090	M1O	03-358/03:54:55.3	24	Acquisition Of X-Band Signal		
3091	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		
3092	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		
3093	M1O	03-358/03:55:59.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
3094	M1O	03-358/03:56:20.9		NOTE: Exit Planetary Atmosphere 8984		03-358/03:47:40.8
3095	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
3096	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		
3097	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
3098	M1O	03-358/04:05:29.1		NOTE: Descending Node Crossing 8985		03-358/03:56:49.0
3099	M1O	03-358/04:05:59.0	24	Range Modulation Off		
3100	M1O	03-358/04:10:59.0	24	X-Band Transmitter Off		
3101	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
3102	M1O	03-358/04:18:30.2		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-358/04:09:50.1
3103	M1O	03-358/04:18:31.2		Forces a desaturation of the reaction wheels.	RW_DESAT	03-358/04:09:51.1
3104	M1O	03-358/04:20:08.1		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-358/04:11:28.0
3105	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
3106	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
3107	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
3108	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
3109	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
3110	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
3111	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
3112	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		
3113	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
3114	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		
3115	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
3116	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
3117	M1O	03-358/04:27:46.9	24	D/L RF Warning: SC antenna change - expect signal level variation		
3118	M1O	03-358/04:27:47.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-358/04:19:07.8
3119	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		
3120	M1O	03-358/04:30:00.0	45	Begin Pre-Cal		
3121	M1O	03-358/04:30:00.0	45	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
3122	M1O	03-358/04:30:00.0	45	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
3123	M1O	03-358/04:30:00.0	45	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
3124	M1O	03-358/04:30:00.0	45	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
3125	M1O	03-358/04:30:00.0	45	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
3126	M1O	03-358/04:30:00.0	45	Config: RCV: Parms:		
3127	M1O	03-358/04:30:00.0	45	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
3128	M1O	03-358/04:30:00.0	45	Config: TGC: BAND=X, SR=132720.000000		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3129	M1O	03-358/04:30:00.0	45	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
3130	M1O	03-358/04:30:01.3		CALL, Engine = , Parameters = FALSE	park_hga	03-358/04:21:21.1
3131	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
3132	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
3133	M1O	03-358/04:30:03.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-358/04:21:23.1
3134	M1O	03-358/04:30:03.3		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-358/04:21:23.1
3135	M1O	03-358/04:30:03.3		NOTE: START HGA PARK		
3136	M1O	03-358/04:30:03.3	24	NOTE: Loss Of X-Band Signal		
3137	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
3138	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
3139	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
3140	M1O	03-358/04:34:50.8		NOTE: South Pole Crossing 8985		03-358/04:26:10.6
3141	M1O	03-358/04:36:18.9		NOTE: Periapsis 8985 ----------		03-358/04:27:38.7
3142	M1O	03-358/04:38:05.3		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-358/04:29:25.1
3143	M1O	03-358/04:38:05.3		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-358/04:29:25.1
3144	M1O	03-358/05:03:37.7		NOTE: Enter Solar Eclipse 8985		03-358/04:54:57.4
3145	M1O	03-358/05:04:09.0		NOTE: Ascending Node Crossing 8985		03-358/04:55:28.7
3146	M1O	03-358/05:08:05.3		GV: GV_DESAT_ACTIVE = 1		03-358/04:59:25.0
3147	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
3148	M1O	03-358/05:08:06.3		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-358/04:59:26.0
3149	M1O	03-358/05:18:05.3		GV: GV_DESAT_ACTIVE = 0		03-358/05:09:25.0
3150	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
3151	M1O	03-358/05:18:07.3		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-358/05:09:27.0
3152	M1O	03-358/05:18:08.3		CALL, Engine = , Parameters =	unpark_hga	03-358/05:09:28.0
3153	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
3154	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
3155	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
3156	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
3157	M1O	03-358/05:23:49.3		NOTE: ENTER HGA KEEP OUT ZONE		
3158	M1O	03-358/05:26:05.0		NOTE: Exit Solar Eclipse 8985		03-358/05:17:24.6
3159	M1O	03-358/05:26:40.3		NOTE: EXIT HGA PARK		
3160	M1O	03-358/05:31:33.2		NOTE: Enter Planetary Atmosphere 8985		03-358/05:22:52.9
3161	M1O	03-358/05:32:57.5		NOTE: Enter Earth Occultation 8985		03-358/05:24:17.1
3162	M1O	03-358/05:34:03.3		NOTE: North Pole Crossing 8985		03-358/05:25:22.9
3163	M1O	03-358/05:35:59.7		NOTE: Apoapsis 8985 -		03-358/05:27:19.3
3164	M1O	03-358/05:36:41.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3165	M1O	03-358/05:40:00.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
3166	M1O	03-358/05:41:41.0	24	Range Modulation On: SUP=3.0dB		
3167	M1O	03-358/05:42:41.0	24	Begin Ranging Acquisition		
3168	M1O	03-358/05:46:09.4		NOTE: EXIT HGA KEEP OUT ZONE		
3169	M1O	03-358/05:50:00.0	24	Range Modulation Off		
3170	M1O	03-358/05:53:04.5		SPAWN, Engine = 65535, Parameters = 00:11:30.397	cstr	03-358/05:44:24.1
3171	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
3172	M1O	03-358/05:53:05.6		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	03-358/05:44:25.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
3173	M1O	03-358/05:53:06.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-358/05:44:26.2
3174	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
3175	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
3176	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
3177	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
3178	M1O	03-358/05:53:29.5		NOTE: Exit Earth Occultation 8985		03-358/05:44:49.1
3179	M1O	03-358/05:53:29.5	24	Acquisition Of X-Band Signal		
3180	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		
3181	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		
3182	M1O	03-358/05:54:54.8		NOTE: Exit Planetary Atmosphere 8985		03-358/05:46:14.3
3183	M1O	03-358/05:55:00.0	24	X-Band Transmitter Off		
3184	M1O	03-358/05:59:59.9		NOTE: Changing to 34M (HEF) downlink rate: 66360_BPS		03-358/05:51:19.5
3185	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
3186	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		
3187	M1O	03-358/06:00:00.0	24	End Tracking		
3188	M1O	03-358/06:00:00.0	45	Begin Tracking		
3189	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		
3190	M1O	03-358/06:04:00.8		NOTE: Descending Node Crossing 8986		03-358/05:55:20.3
3191	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
3192	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
3193	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		
3194	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
3195	M1O	03-358/06:11:16.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-358/06:02:36.2
3196	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
3197	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		
3198	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
3199	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		
3200	M1O	03-358/06:15:00.0	24	End Post-Cal		
3201	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
3202	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		
3203	M1O	03-358/06:17:19.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-358/06:08:39.3
3204	M1O	03-358/06:33:22.2		NOTE: South Pole Crossing 8986		03-358/06:24:41.7
3205	M1O	03-358/06:34:32.0		NOTE: Periapsis 8986 ----------		03-358/06:25:51.4
3206	M1O	03-358/07:02:10.2		NOTE: Enter Solar Eclipse 8986		03-358/06:53:29.5
3207	M1O	03-358/07:02:40.8		NOTE: Ascending Node Crossing 8986		03-358/06:54:00.2
3208	M1O	03-358/07:08:40.6		SPAWN, Engine = 65535, Parameters =	scdiag	03-358/07:00:00.0
3209	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
3210	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
3211	M1O	03-358/07:09:43.6		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-358/07:01:03.0
3212	M1O	03-358/07:09:43.8		NOTE: Start Block fsw_diag		03-358/07:01:03.2
3213	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3214	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
3215	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
3216	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
3217	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
3218	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
3219	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
3220	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
3221	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
3222	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
3223	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
3224	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
3225	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
3226	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
3227	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
3228	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
3229	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
3230	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
3231	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
3232	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
3233	M1O	03-358/07:12:54.8		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-358/07:04:14.2
3234	M1O	03-358/07:13:05.8		NOTE: End Block fsw_diag.mod		03-358/07:04:25.2
3235	M1O	03-358/07:21:18.7		SPAWN, Engine = 65535, Parameters = 3, 00:35:38.504, 1	dpt	03-358/07:12:38.0
3236	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
3237	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		
3238	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
3239	M1O	03-358/07:22:20.7		NOTE: ENTER HGA KEEP OUT ZONE		
3240	M1O	03-358/07:22:20.7	45	NOTE: Loss Of X-Band Signal		
3241	M1O	03-358/07:24:35.8		NOTE: Exit Solar Eclipse 8986		03-358/07:15:55.1
3242	M1O	03-358/07:30:04.9		NOTE: Enter Planetary Atmosphere 8986		03-358/07:21:24.2
3243	M1O	03-358/07:31:29.4		NOTE: Enter Earth Occultation 8986		03-358/07:22:48.6
3244	M1O	03-358/07:32:34.8		NOTE: North Pole Crossing 8986		03-358/07:23:54.1
3245	M1O	03-358/07:34:36.9		NOTE: Apoapsis 8986 -		03-358/07:25:56.2
3246	M1O	03-358/07:44:40.7		NOTE: EXIT HGA KEEP OUT ZONE		
3247	M1O	03-358/07:51:59.3		NOTE: Exit Earth Occultation 8986		03-358/07:43:18.5
3248	M1O	03-358/07:51:59.3	45	Acquisition Of X-Band Signal		
3249	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		
3250	M1O	03-358/07:53:24.7		NOTE: Exit Planetary Atmosphere 8986		03-358/07:44:43.9
3251	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
3252	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		
3253	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
3254	M1O	03-358/08:02:31.9		NOTE: Descending Node Crossing 8987		03-358/07:53:51.1
3255	M1O	03-358/08:31:54.1		NOTE: South Pole Crossing 8987		03-358/08:23:13.2
3256	M1O	03-358/08:33:03.9		NOTE: Periapsis 8987 ----------		03-358/08:24:23.0
3257	M1O	03-358/09:00:43.9		NOTE: Enter Solar Eclipse 8987		03-358/08:52:02.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3258	M1O	03-358/09:01:13.8		NOTE: Ascending Node Crossing 8987		03-358/08:52:32.8
3259	M1O	03-358/09:19:50.0		SPAWN, Engine = 65535, Parameters = 3, 00:35:37.134, 1	dpt	03-358/09:11:09.0
3260	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
3261	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		
3262	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
3263	M1O	03-358/09:20:52.0		NOTE: ENTER HGA KEEP OUT ZONE		
3264	M1O	03-358/09:20:52.0	45	NOTE: Loss Of X-Band Signal		
3265	M1O	03-358/09:23:03.8		NOTE: Exit Solar Eclipse 8987		03-358/09:14:22.7
3266	M1O	03-358/09:28:45.1		NOTE: Enter Planetary Atmosphere 8987		03-358/09:20:04.0
3267	M1O	03-358/09:30:10.3		NOTE: Enter Earth Occultation 8987		03-358/09:21:29.2
3268	M1O	03-358/09:31:09.0		NOTE: North Pole Crossing 8987		03-358/09:22:27.9
3269	M1O	03-358/09:33:16.4		NOTE: Apoapsis 8987 -		03-358/09:24:35.2
3270	M1O	03-358/09:43:12.1		NOTE: EXIT HGA KEEP OUT ZONE		
3271	M1O	03-358/09:50:29.3		NOTE: Exit Earth Occultation 8987		03-358/09:41:48.1
3272	M1O	03-358/09:50:29.3	45	Acquisition Of X-Band Signal		
3273	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		
3274	M1O	03-358/09:51:55.4		NOTE: Exit Planetary Atmosphere 8987		03-358/09:43:14.2
3275	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
3276	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		
3277	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
3278	M1O	03-358/10:01:07.5		NOTE: Descending Node Crossing 8988		03-358/09:52:26.3
3279	M1O	03-358/10:21:50.2		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, TRUE	cend	03-358/10:13:09.0
3280	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
3281	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
3282	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
3283	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
3284	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
3285	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
3286	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
3287	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		
3288	M1O	03-358/10:29:12.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-358/10:20:30.8
3289	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		
3290	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
3291	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
3292	M1O	03-358/10:29:43.0	45	NOTE: Loss Of X-Band Signal		
3293	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
3294	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
3295	M1O	03-358/10:29:55.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-358/10:21:13.8
3296	M1O	03-358/10:30:00.0	45	End Tracking		
3297	M1O	03-358/10:30:29.9		NOTE: South Pole Crossing 8988		03-358/10:21:48.6
3298	M1O	03-358/10:31:47.4		NOTE: Periapsis 8988 ----------		03-358/10:23:06.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3299	M1O	03-358/10:45:00.0	45	End Post-Cal		
3300	M1O	03-358/10:59:19.0		NOTE: Enter Solar Eclipse 8988		03-358/10:50:37.6
3301	M1O	03-358/10:59:49.3		NOTE: Ascending Node Crossing 8988		03-358/10:51:08.0
3302	M1O	03-358/11:19:27.4		NOTE: ENTER HGA KEEP OUT ZONE		
3303	M1O	03-358/11:21:35.8		NOTE: Exit Solar Eclipse 8988		03-358/11:12:54.4
3304	M1O	03-358/11:27:25.4		NOTE: Enter Planetary Atmosphere 8988		03-358/11:18:43.9
3305	M1O	03-358/11:28:51.0		NOTE: Enter Earth Occultation 8988		03-358/11:20:09.5
3306	M1O	03-358/11:29:45.5		NOTE: North Pole Crossing 8988		03-358/11:21:04.1
3307	M1O	03-358/11:31:46.3		NOTE: Apoapsis 8988 -		03-358/11:23:04.8
3308	M1O	03-358/11:41:27.5		NOTE: EXIT HGA KEEP OUT ZONE		
3309	M1O	03-358/11:49:03.7		NOTE: Exit Earth Occultation 8988		03-358/11:40:22.1
3310	M1O	03-358/11:50:30.2		NOTE: Exit Planetary Atmosphere 8988		03-358/11:41:48.7
3311	M1O	03-358/11:59:45.0		NOTE: Descending Node Crossing 8989		03-358/11:51:03.5
3312	M1O	03-358/12:15:00.0	63	Begin Pre-Cal		
3313	M1O	03-358/12:15:00.0	63	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
3314	M1O	03-358/12:15:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
3315	M1O	03-358/12:15:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
3316	M1O	03-358/12:15:00.0	63	At BOT: S/C Transmitter Status: PWR=OFF, EXC=1, PWR=OFF, EXC=2		
3317	M1O	03-358/12:15:00.0	63	Config: RCV: Parms:		
3318	M1O	03-358/12:15:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
3319	M1O	03-358/12:15:00.0	63	Config: TGC: BAND=X, SR=132720.000000		
3320	M1O	03-358/12:15:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
3321	M1O	03-358/12:29:07.3		NOTE: South Pole Crossing 8989		03-358/12:20:25.7
3322	M1O	03-358/12:30:24.1		NOTE: Periapsis 8989 ----------		03-358/12:21:42.5
3323	M1O	03-358/12:57:55.5		NOTE: Enter Solar Eclipse 8989		03-358/12:49:13.7
3324	M1O	03-358/12:58:26.4		NOTE: Ascending Node Crossing 8989		03-358/12:49:44.6
3325	M1O	03-358/13:18:24.7		NOTE: ENTER HGA KEEP OUT ZONE		
3326	M1O	03-358/13:20:12.4		NOTE: Exit Solar Eclipse 8989		03-358/13:11:30.6
3327	M1O	03-358/13:26:01.5		NOTE: Enter Planetary Atmosphere 8989		03-358/13:17:19.6
3328	M1O	03-358/13:27:26.9		NOTE: Enter Earth Occultation 8989		03-358/13:18:45.1
3329	M1O	03-358/13:28:22.4		NOTE: North Pole Crossing 8989		03-358/13:19:40.5
3330	M1O	03-358/13:30:08.3		NOTE: Apoapsis 8989 -		03-358/13:21:26.5
3331	M1O	03-358/13:40:04.8		NOTE: EXIT HGA KEEP OUT ZONE		
3332	M1O	03-358/13:45:00.0	63	Begin Tracking		
3333	M1O	03-358/13:45:00.2		NOTE: Changing to 70M downlink rate: 110600_BPS		03-358/13:36:18.4
3334	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
3335	M1O	03-358/13:47:16.1		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-358/13:38:34.2
3336	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
3337	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
3338	M1O	03-358/13:47:18.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-358/13:38:36.3
3339	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
3340	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
3341	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
3342	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
3343	M1O	03-358/13:47:41.1		NOTE: Exit Earth Occultation 8989		03-358/13:38:59.2
3344	M1O	03-358/13:47:41.1	63	Acquisition Of X-Band Signal		
3345	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		
3346	M1O	03-358/13:49:07.5		NOTE: Exit Planetary Atmosphere 8989		03-358/13:40:25.6
3347	M1O	03-358/13:52:40.2		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	03-358/13:43:58.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
3348	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
3349	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		
3350	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
3351	M1O	03-358/13:58:21.6		NOTE: Descending Node Crossing 8990		03-358/13:49:39.7
3352	M1O	03-358/14:27:44.0		NOTE: South Pole Crossing 8990		03-358/14:19:01.9
3353	M1O	03-358/14:28:57.5		NOTE: Periapsis 8990 ----------		03-358/14:20:15.5
3354	M1O	03-358/14:56:32.0		NOTE: Enter Solar Eclipse 8990		03-358/14:47:49.9
3355	M1O	03-358/14:57:03.1		NOTE: Ascending Node Crossing 8990		03-358/14:48:21.0
3356	M1O	03-358/15:15:39.1		SPAWN, Engine = 65535, Parameters = 3, 00:35:37.633, 1	dpt	03-358/15:06:57.0
3357	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
3358	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		
3359	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
3360	M1O	03-358/15:16:41.1		NOTE: ENTER HGA KEEP OUT ZONE		
3361	M1O	03-358/15:16:41.1	63	NOTE: Loss Of X-Band Signal		
3362	M1O	03-358/15:18:51.4		NOTE: Exit Solar Eclipse 8990		03-358/15:10:09.3
3363	M1O	03-358/15:24:32.5		NOTE: Enter Planetary Atmosphere 8990		03-358/15:15:50.4
3364	M1O	03-358/15:25:57.5		NOTE: Enter Earth Occultation 8990		03-358/15:17:15.3
3365	M1O	03-358/15:26:58.0		NOTE: North Pole Crossing 8990		03-358/15:18:15.9
3366	M1O	03-358/15:28:34.4		NOTE: Apoapsis 8990 -		03-358/15:19:52.2
3367	M1O	03-358/15:38:41.2		NOTE: EXIT HGA KEEP OUT ZONE		
3368	M1O	03-358/15:46:18.8		NOTE: Exit Earth Occultation 8990		03-358/15:37:36.6
3369	M1O	03-358/15:46:18.8	63	Acquisition Of X-Band Signal		
3370	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		
3371	M1O	03-358/15:47:44.8		NOTE: Exit Planetary Atmosphere 8990		03-358/15:39:02.5
3372	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
3373	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		
3374	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
3375	M1O	03-358/15:56:55.9		NOTE: Descending Node Crossing 8991		03-358/15:48:13.6
3376	M1O	03-358/16:26:18.2		NOTE: South Pole Crossing 8991		03-358/16:17:35.8
3377	M1O	03-358/16:27:34.6		NOTE: Periapsis 8991 ----------		03-358/16:18:52.2
3378	M1O	03-358/16:55:05.3		NOTE: Enter Solar Eclipse 8991		03-358/16:46:22.9
3379	M1O	03-358/16:55:37.3		NOTE: Ascending Node Crossing 8991		03-358/16:46:54.8
3380	M1O	03-358/17:14:13.5		SPAWN, Engine = 65535, Parameters = 3, 00:35:37.698, 1	dpt	03-358/17:05:31.0
3381	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
3382	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		
3383	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
3384	M1O	03-358/17:15:15.5		NOTE: ENTER HGA KEEP OUT ZONE		
3385	M1O	03-358/17:15:15.5	63	NOTE: Loss Of X-Band Signal		
3386	M1O	03-358/17:17:28.2		NOTE: Exit Solar Eclipse 8991		03-358/17:08:45.6
3387	M1O	03-358/17:23:01.3		NOTE: Enter Planetary Atmosphere 8991		03-358/17:14:18.8
3388	M1O	03-358/17:24:25.9		NOTE: Enter Earth Occultation 8991		03-358/17:15:43.4
3389	M1O	03-358/17:25:31.2		NOTE: North Pole Crossing 8991		03-358/17:16:48.7
3390	M1O	03-358/17:27:23.3		NOTE: Apoapsis 8991 -		03-358/17:18:40.7
3391	M1O	03-358/17:37:15.5		NOTE: EXIT HGA KEEP OUT ZONE		
3392	M1O	03-358/17:44:53.3		NOTE: Exit Earth Occultation 8991		03-358/17:36:10.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3393	M1O	03-358/17:44:53.3	63	Acquisition Of X-Band Signal		
3394	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		
3395	M1O	03-358/17:46:18.8		NOTE: Exit Planetary Atmosphere 8991		03-358/17:37:36.2
3396	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
3397	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		
3398	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
3399	M1O	03-358/17:55:28.1		NOTE: Descending Node Crossing 8992		03-358/17:46:45.5
3400	M1O	03-358/18:24:49.6		NOTE: South Pole Crossing 8992		03-358/18:16:06.9
3401	M1O	03-358/18:26:03.7		NOTE: Periapsis 8992 ----------		03-358/18:17:21.0
3402	M1O	03-358/18:53:35.6		NOTE: Enter Solar Eclipse 8992		03-358/18:44:52.8
3403	M1O	03-358/18:54:08.1		NOTE: Ascending Node Crossing 8992		03-358/18:45:25.3
3404	M1O	03-358/19:12:45.8		SPAWN, Engine = 65535, Parameters = 3, 00:36:07.570, 1	dpt	03-358/19:04:03.0
3405	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
3406	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		
3407	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
3408	M1O	03-358/19:13:47.8		NOTE: ENTER HGA KEEP OUT ZONE		
3409	M1O	03-358/19:13:47.8	63	NOTE: Loss Of X-Band Signal		
3410	M1O	03-358/19:15:58.2		NOTE: Exit Solar Eclipse 8992		03-358/19:07:15.3
3411	M1O	03-358/19:21:32.9		NOTE: Enter Planetary Atmosphere 8992		03-358/19:12:50.0
3412	M1O	03-358/19:22:57.6		NOTE: Enter Earth Occultation 8992		03-358/19:14:14.7
3413	M1O	03-358/19:24:02.5		NOTE: North Pole Crossing 8992		03-358/19:15:19.6
3414	M1O	03-358/19:25:49.2		NOTE: Apoapsis 8992 -		03-358/19:17:06.3
3415	M1O	03-358/19:26:30.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3416	M1O	03-358/19:31:30.0	63	Range Modulation On: SUP=3.0dB		
3417	M1O	03-358/19:32:30.0	63	Begin Ranging Acquisition		
3418	M1O	03-358/19:35:47.9		NOTE: EXIT HGA KEEP OUT ZONE		
3419	M1O	03-358/19:43:24.0		NOTE: Exit Earth Occultation 8992		03-358/19:34:41.0
3420	M1O	03-358/19:43:24.0	63	Acquisition Of X-Band Signal		
3421	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		
3422	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		
3423	M1O	03-358/19:44:49.7		NOTE: Exit Planetary Atmosphere 8992		03-358/19:36:06.8
3424	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
3425	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		
3426	M1O	03-358/19:48:56.6		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-358/19:40:13.6
3427	M1O	03-358/19:53:59.8		NOTE: Descending Node Crossing 8993		03-358/19:45:16.8
3428	M1O	03-358/20:23:21.0		NOTE: South Pole Crossing 8993		03-358/20:14:38.0
3429	M1O	03-358/20:24:14.0		NOTE: Periapsis 8993 ----------		03-358/20:15:30.9
3430	M1O	03-358/20:39:53.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
3431	M1O	03-358/20:49:53.0	63	Range Modulation Off		
3432	M1O	03-358/20:52:09.2		NOTE: Enter Solar Eclipse 8993		03-358/20:43:26.1
3433	M1O	03-358/20:52:40.0		NOTE: Ascending Node Crossing 8993		03-358/20:43:56.8
3434	M1O	03-358/20:54:53.0	63	X-Band Transmitter Off		
3435	M1O	03-358/21:11:16.7		SPAWN, Engine = 65535, Parameters = 3, 00:36:07, 1	dpt	03-358/21:02:33.5
3436	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3437	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		
3438	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
3439	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		
3440	M1O	03-358/21:12:20.2		NOTE: ENTER HGA KEEP OUT ZONE		
3441	M1O	03-358/21:12:20.2	63	NOTE: Loss Of X-Band Signal		
3442	M1O	03-358/21:14:25.8		NOTE: Exit Solar Eclipse 8993		03-358/21:05:42.5
3443	M1O	03-358/21:20:10.8		NOTE: Enter Planetary Atmosphere 8993		03-358/21:11:27.5
3444	M1O	03-358/21:21:36.0		NOTE: Enter Earth Occultation 8993		03-358/21:12:52.7
3445	M1O	03-358/21:22:35.5		NOTE: North Pole Crossing 8993		03-358/21:13:52.2
3446	M1O	03-358/21:24:01.7		NOTE: Apoapsis 8993 -		03-358/21:15:18.5
3447	M1O	03-358/21:25:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3448	M1O	03-358/21:30:00.0	63	Range Modulation On: SUP=3.0dB		
3449	M1O	03-358/21:31:00.0	63	Begin Ranging Acquisition		
3450	M1O	03-358/21:34:20.2		NOTE: EXIT HGA KEEP OUT ZONE		
3451	M1O	03-358/21:41:53.9		NOTE: Exit Earth Occultation 8993		03-358/21:33:10.6
3452	M1O	03-358/21:41:53.9	63	Acquisition Of X-Band Signal		
3453	M1O	03-358/21:41:53.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3454	M1O	03-358/21:42:26.5	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3455	M1O	03-358/21:43:20.2		NOTE: Exit Planetary Atmosphere 8993		03-358/21:34:36.9
3456	M1O	03-358/21:47:26.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-358/21:38:42.6
3457	M1O	03-358/21:47:26.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
3458	M1O	03-358/21:47:27.0		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-358/21:38:43.6
3459	M1O	03-358/21:52:33.6		NOTE: Descending Node Crossing 8994		03-358/21:43:50.3
3460	M1O	03-358/21:55:00.0	26	Begin Pre-Cal		
3461	M1O	03-358/21:55:00.0	26	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
3462	M1O	03-358/21:55:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
3463	M1O	03-358/21:55:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
3464	M1O	03-358/21:55:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
3465	M1O	03-358/21:55:00.0	26	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
3466	M1O	03-358/21:55:00.0	26	Config: RCV: Parms: ,MP=D		
3467	M1O	03-358/21:55:00.0	26	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
3468	M1O	03-358/21:55:00.0	26	Config: TGC: BAND=X, SR=221200.000000		
3469	M1O	03-358/21:55:00.0	26	Config: TXL		
3470	M1O	03-358/21:55:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
3471	M1O	03-358/21:55:00.0	26	Config: CMD		
3472	M1O	03-358/21:55:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
3473	M1O	03-358/22:21:56.1		NOTE: South Pole Crossing 8994		03-358/22:13:12.7
3474	M1O	03-358/22:22:53.1		NOTE: Periapsis 8994 ----------		03-358/22:14:09.7
3475	M1O	03-358/22:38:26.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
3476	M1O	03-358/22:48:26.0	63	Range Modulation Off		
3477	M1O	03-358/22:50:46.3		NOTE: Enter Solar Eclipse 8994		03-358/22:42:02.8
3478	M1O	03-358/22:51:16.2		NOTE: Ascending Node Crossing 8994		03-358/22:42:32.7
3479	M1O	03-358/22:53:26.0	63	X-Band Transmitter Off		
3480	M1O	03-358/23:09:50.1		SPAWN, Engine = 65535, Parameters = 3, 00:40:08.755, 1	dpt	03-358/23:01:06.5
3481	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
3482	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		
3483	M1O	03-358/23:09:53.2		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	03-358/23:01:09.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
3484	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		
3485	M1O	03-358/23:10:53.5		NOTE: ENTER HGA KEEP OUT ZONE		
3486	M1O	03-358/23:10:53.5	63	NOTE: Loss Of X-Band Signal		
3487	M1O	03-358/23:12:59.0		NOTE: Exit Solar Eclipse 8994		03-358/23:04:15.4
3488	M1O	03-358/23:18:49.1		NOTE: Enter Planetary Atmosphere 8994		03-358/23:10:05.4
3489	M1O	03-358/23:20:14.6		NOTE: Enter Earth Occultation 8994		03-358/23:11:31.0
3490	M1O	03-358/23:21:11.5		NOTE: North Pole Crossing 8994		03-358/23:12:27.8
3491	M1O	03-358/23:22:54.4		NOTE: Apoapsis 8994 -		03-358/23:14:10.8
3492	M1O	03-358/23:25:00.0	26	Begin Tracking		
3493	M1O	03-358/23:26:00.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3494	M1O	03-358/23:31:00.0	26	Range Modulation On: SUP=3.0dB		
3495	M1O	03-358/23:32:00.0	26	Begin Ranging Acquisition		
3496	M1O	03-358/23:32:53.6		NOTE: EXIT HGA KEEP OUT ZONE		
3497	M1O	03-358/23:36:04.0	63	NOTE: Below Uplink Interlock Limit		
3498	M1O	03-358/23:40:27.0		NOTE: Exit Earth Occultation 8994		03-358/23:31:43.3
3499	M1O	03-358/23:40:27.0	63	Acquisition Of X-Band Signal		
3500	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		
3501	M1O	03-358/23:40:27.0	26	Acquisition Of X-Band Signal		
3502	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		
3503	M1O	03-358/23:41:53.6		NOTE: Exit Planetary Atmosphere 8994		03-358/23:33:09.9
3504	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		
3505	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		
3506	M1O	03-358/23:45:00.0	63	End Tracking		
3507	M1O	03-358/23:45:01.0		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		03-358/23:36:17.3
3508	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
3509	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		
3510	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
3511	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		
3512	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
3513	M1O	03-358/23:51:09.7		NOTE: Descending Node Crossing 8995		03-358/23:42:26.0
3514	M1O	03-359/00:00:00.0	63	End Post-Cal		
3515	M1O	03-359/00:00:00.0		Light Time: OWLT = 08:43, RTLT = 17:27		
3516	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
3517	M1O	03-359/00:08:53.7		Deletes the designated file.: d:/seq/cz501.abs	FILE_DELETE	03-359/00:00:10.0
3518	M1O	03-359/00:20:33.3		NOTE: South Pole Crossing 8995		03-359/00:11:49.5
3519	M1O	03-359/00:21:59.0		NOTE: Periapsis 8995 ----------		03-359/00:13:15.2
3520	M1O	03-359/00:37:21.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
3521	M1O	03-359/00:47:21.0	26	Range Modulation Off		
3522	M1O	03-359/00:49:22.5		NOTE: Enter Solar Eclipse 8995		03-359/00:40:38.6
3523	M1O	03-359/00:49:53.6		NOTE: Ascending Node Crossing 8995		03-359/00:41:09.7
3524	M1O	03-359/00:52:21.0	26	X-Band Transmitter Off		
3525	M1O	03-359/01:08:46.6		SPAWN, Engine = 65535, Parameters = 3, 00:35:45, 1	dpt	03-359/01:00:02.6
3526	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
3527	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3528	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
3529	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		
3530	M1O	03-359/01:09:49.9		NOTE: ENTER HGA KEEP OUT ZONE		
3531	M1O	03-359/01:09:49.9	26	NOTE: Loss Of X-Band Signal		
3532	M1O	03-359/01:11:35.8		NOTE: Exit Solar Eclipse 8995		03-359/01:02:51.8
3533	M1O	03-359/01:17:25.7		NOTE: Enter Planetary Atmosphere 8995		03-359/01:08:41.7
3534	M1O	03-359/01:18:51.4		NOTE: Enter Earth Occultation 8995		03-359/01:10:07.5
3535	M1O	03-359/01:19:48.3		NOTE: North Pole Crossing 8995		03-359/01:11:04.3
3536	M1O	03-359/01:22:06.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3537	M1O	03-359/01:22:09.5		NOTE: Apoapsis 8995 -		03-359/01:13:25.5
3538	M1O	03-359/01:27:06.0	26	Range Modulation On: SUP=3.0dB		
3539	M1O	03-359/01:28:06.0	26	Begin Ranging Acquisition		
3540	M1O	03-359/01:31:30.0		NOTE: EXIT HGA KEEP OUT ZONE		
3541	M1O	03-359/01:39:02.2		NOTE: Exit Earth Occultation 8995		03-359/01:30:18.1
3542	M1O	03-359/01:39:02.2	26	Acquisition Of X-Band Signal		
3543	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		
3544	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		
3545	M1O	03-359/01:40:28.8		NOTE: Exit Planetary Atmosphere 8995		03-359/01:31:44.7
3546	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
3547	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		
3548	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
3549	M1O	03-359/01:49:46.7		NOTE: Descending Node Crossing 8996		03-359/01:41:02.6
3550	M1O	03-359/02:19:10.2		NOTE: South Pole Crossing 8996		03-359/02:10:26.0
3551	M1O	03-359/02:20:57.7		NOTE: Periapsis 8996 ----------		03-359/02:12:13.5
3552	M1O	03-359/02:35:57.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
3553	M1O	03-359/02:45:57.0	26	Range Modulation Off		
3554	M1O	03-359/02:47:56.5		NOTE: Enter Solar Eclipse 8996		03-359/02:39:12.3
3555	M1O	03-359/02:48:29.7		NOTE: Ascending Node Crossing 8996		03-359/02:39:45.5
3556	M1O	03-359/02:50:57.0	26	X-Band Transmitter Off		
3557	M1O	03-359/03:07:22.9		SPAWN, Engine = 65535, Parameters = 3, 00:35:45, 1	dpt	03-359/02:58:38.6
3558	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
3559	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		
3560	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
3561	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		
3562	M1O	03-359/03:08:26.3		NOTE: ENTER HGA KEEP OUT ZONE		
3563	M1O	03-359/03:08:26.3	26	NOTE: Loss Of X-Band Signal		
3564	M1O	03-359/03:10:12.8		NOTE: Exit Solar Eclipse 8996		03-359/03:01:28.5
3565	M1O	03-359/03:16:00.1		NOTE: Enter Planetary Atmosphere 8996		03-359/03:07:15.7
3566	M1O	03-359/03:17:25.7		NOTE: Enter Earth Occultation 8996		03-359/03:08:41.3
3567	M1O	03-359/03:18:24.4		NOTE: North Pole Crossing 8996		03-359/03:09:40.1
3568	M1O	03-359/03:20:42.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3569	M1O	03-359/03:20:58.3		NOTE: Apoapsis 8996 -		03-359/03:12:13.9
3570	M1O	03-359/03:25:42.0	26	Range Modulation On: SUP=3.0dB		
3571	M1O	03-359/03:26:42.0	26	Begin Ranging Acquisition		
3572	M1O	03-359/03:30:06.3		NOTE: EXIT HGA KEEP OUT ZONE		
3573	M1O	03-359/03:37:38.8		NOTE: Exit Earth Occultation 8996		03-359/03:28:54.4
3574	M1O	03-359/03:37:38.8	26	Acquisition Of X-Band Signal		
3575	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		
3576	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3577	M1O	03-359/03:38:48.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
3578	M1O	03-359/03:39:05.4		NOTE: Exit Planetary Atmosphere 8996		03-359/03:30:21.0
3579	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
3580	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		
3581	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
3582	M1O	03-359/03:48:23.0		NOTE: Descending Node Crossing 8997		03-359/03:39:38.6
3583	M1O	03-359/03:48:48.0	26	Range Modulation Off		
3584	M1O	03-359/03:53:48.0	26	X-Band Transmitter Off		
3585	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
3586	M1O	03-359/04:01:23.5		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-359/03:52:39.1
3587	M1O	03-359/04:01:24.5		Forces a desaturation of the reaction wheels.	RW_DESAT	03-359/03:52:40.1
3588	M1O	03-359/04:03:05.4		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-359/03:54:21.0
3589	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
3590	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
3591	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
3592	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
3593	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
3594	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
3595	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
3596	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		
3597	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
3598	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		
3599	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
3600	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
3601	M1O	03-359/04:10:44.2	26	D/L RF Warning: SC antenna change - expect signal level variation		
3602	M1O	03-359/04:10:45.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-359/04:02:00.8
3603	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		
3604	M1O	03-359/04:12:54.6		CALL, Engine = , Parameters = FALSE	park_hga	03-359/04:04:10.1
3605	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
3606	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
3607	M1O	03-359/04:12:56.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-359/04:04:12.1
3608	M1O	03-359/04:12:56.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-359/04:04:12.1
3609	M1O	03-359/04:12:56.6		NOTE: START HGA PARK		
3610	M1O	03-359/04:12:56.6	26	NOTE: Loss Of X-Band Signal		
3611	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
3612	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
3613	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
3614	M1O	03-359/04:17:45.3		NOTE: South Pole Crossing 8997		03-359/04:09:00.8
3615	M1O	03-359/04:19:30.4		NOTE: Periapsis 8997 ----------		03-359/04:10:45.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3616	M1O	03-359/04:20:58.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-359/04:12:14.1
3617	M1O	03-359/04:20:58.6		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-359/04:12:14.1
3618	M1O	03-359/04:46:28.4		NOTE: Enter Solar Eclipse 8997		03-359/04:37:43.8
3619	M1O	03-359/04:47:03.5		NOTE: Ascending Node Crossing 8997		03-359/04:38:18.9
3620	M1O	03-359/04:50:58.6		GV: GV_DESAT_ACTIVE = 1		03-359/04:42:14.0
3621	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
3622	M1O	03-359/04:50:59.6		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-359/04:42:15.0
3623	M1O	03-359/05:00:58.6		GV: GV_DESAT_ACTIVE = 0		03-359/04:52:14.0
3624	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
3625	M1O	03-359/05:01:00.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-359/04:52:16.0
3626	M1O	03-359/05:01:01.6		CALL, Engine = , Parameters =	unpark_hga	03-359/04:52:17.0
3627	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
3628	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
3629	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
3630	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
3631	M1O	03-359/05:07:02.6		NOTE: ENTER HGA KEEP OUT ZONE		
3632	M1O	03-359/05:08:48.5		NOTE: Exit Solar Eclipse 8997		03-359/05:00:03.8
3633	M1O	03-359/05:09:33.6		NOTE: EXIT HGA PARK		
3634	M1O	03-359/05:14:30.3		NOTE: Enter Planetary Atmosphere 8997		03-359/05:05:45.6
3635	M1O	03-359/05:15:55.6		NOTE: Enter Earth Occultation 8997		03-359/05:07:10.9
3636	M1O	03-359/05:16:58.0		NOTE: North Pole Crossing 8997		03-359/05:08:13.3
3637	M1O	03-359/05:19:14.8		NOTE: Apoapsis 8997 -		03-359/05:10:30.1
3638	M1O	03-359/05:19:18.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3639	M1O	03-359/05:20:00.0	45	Begin Pre-Cal		
3640	M1O	03-359/05:20:00.0	45	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
3641	M1O	03-359/05:20:00.0	45	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
3642	M1O	03-359/05:20:00.0	45	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
3643	M1O	03-359/05:20:00.0	45	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
3644	M1O	03-359/05:20:00.0	45	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
3645	M1O	03-359/05:20:00.0	45	Config: RCV: Parms:		
3646	M1O	03-359/05:20:00.0	45	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
3647	M1O	03-359/05:20:00.0	45	Config: TGC: BAND=X, SR=79632.000000		
3648	M1O	03-359/05:20:00.0	45	Config: TXL		
3649	M1O	03-359/05:20:00.0	45	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
3650	M1O	03-359/05:20:00.0	45	Config: CMD		
3651	M1O	03-359/05:24:18.0	26	Range Modulation On: SUP=3.0dB		
3652	M1O	03-359/05:25:03.7		SPAWN, Engine = 65535, Parameters = 359, 01, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-359/05:16:19.0
3653	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
3654	M1O	03-359/05:25:06.8		CALL, Engine = , Parameters = 56	get_cmd_opt	03-359/05:16:22.1
3655	M1O	03-359/05:25:07.1		CALL, Engine = , Parameters = 359, 01, 056	bld_autosw	03-359/05:16:22.4
3656	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
3657	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
3658	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
3659	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3660	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
3661	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
3662	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
3663	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
3664	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
3665	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
3666	M1O	03-359/05:25:18.0	26	Begin Ranging Acquisition		
3667	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
3668	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
3669	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
3670	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
3671	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
3672	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
3673	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
3674	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
3675	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
3676	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
3677	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
3678	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
3679	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
3680	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
3681	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
3682	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
3683	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
3684	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
3685	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
3686	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
3687	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
3688	M1O	03-359/05:25:40.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass01_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/05:16:56.1
3689	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
3690	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
3691	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
3692	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
3693	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
3694	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
3695	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
3696	M1O	03-359/05:25:49.1		CALL, Engine = , Parameters = 56	get_apid	03-359/05:17:04.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3697	M1O	03-359/05:25:50.2		CALL, Engine = , Parameters = 56	get_rcv_mode	03-359/05:17:05.5
3698	M1O	03-359/05:25:50.4		CALL, Engine = , Parameters = 56	get_dl_rate	03-359/05:17:05.7
3699	M1O	03-359/05:25:51.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-359/05:17:06.8
3700	M1O	03-359/05:25:52.7		CALL, Engine = , Parameters = 56	get_coding	03-359/05:17:08.0
3701	M1O	03-359/05:25:53.9		CALL, Engine = , Parameters = 56	get_xmt_mode	03-359/05:17:09.2
3702	M1O	03-359/05:25:55.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-359/05:17:10.4
3703	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
3704	M1O	03-359/05:27:00.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-359/05:18:16.2
3705	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
3706	M1O	03-359/05:27:02.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-359/05:18:18.2
3707	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
3708	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
3709	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
3710	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
3711	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
3712	M1O	03-359/05:28:42.7		NOTE: EXIT HGA KEEP OUT ZONE		
3713	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
3714	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
3715	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
3716	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
3717	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
3718	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
3719	M1O	03-359/05:35:49.6		SPAWN, Engine = 65535, Parameters = 00:05:31.757	cstr	03-359/05:27:04.9
3720	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
3721	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
3722	M1O	03-359/05:35:51.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-359/05:27:07.0
3723	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
3724	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
3725	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
3726	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
3727	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
3728	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
3729	M1O	03-359/05:36:14.6		NOTE: Exit Earth Occultation 8997		03-359/05:27:29.9
3730	M1O	03-359/05:36:14.6	26	Acquisition Of X-Band Signal		
3731	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		
3732	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		
3733	M1O	03-359/05:37:40.9		NOTE: Exit Planetary Atmosphere 8997		03-359/05:28:56.1
3734	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3735	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
3736	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
3737	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
3738	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
3739	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
3740	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		
3741	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
3742	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		
3743	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
3744	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
3745	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
3746	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
3747	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
3748	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
3749	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
3750	M1O	03-359/05:46:56.2		NOTE: Descending Node Crossing 8998		03-359/05:38:11.4
3751	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
3752	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
3753	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
3754	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
3755	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
3756	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
3757	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
3758	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
3759	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
3760	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
3761	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
3762	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
3763	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3764	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
3765	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
3766	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
3767	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
3768	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		
3769	M1O	03-359/05:59:18.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-359/05:50:33.3
3770	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
3771	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		
3772	M1O	03-359/06:16:17.4		NOTE: South Pole Crossing 8998		03-359/06:07:32.6
3773	M1O	03-359/06:17:40.3		NOTE: Periapsis 8998 ----------		03-359/06:08:55.4
3774	M1O	03-359/06:32:45.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
3775	M1O	03-359/06:35:00.0	45	Begin Tracking		
3776	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		
3777	M1O	03-359/06:42:45.0	26	Range Modulation Off		
3778	M1O	03-359/06:45:00.3		NOTE: Enter Solar Eclipse 8998		03-359/06:36:15.3
3779	M1O	03-359/06:45:35.3		NOTE: Ascending Node Crossing 8998		03-359/06:36:50.3
3780	M1O	03-359/06:47:45.0	26	X-Band Transmitter Off		
3781	M1O	03-359/06:57:29.9	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
3782	M1O	03-359/07:04:12.7		SPAWN, Engine = 65535, Parameters = 3, 00:35:31.360, 1	dpt	03-359/06:55:27.7
3783	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
3784	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		
3785	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		
3786	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
3787	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		
3788	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		
3789	M1O	03-359/07:05:16.0		NOTE: ENTER HGA KEEP OUT ZONE		
3790	M1O	03-359/07:05:16.0	45	NOTE: Loss Of X-Band Signal		
3791	M1O	03-359/07:05:16.0	26	NOTE: Loss Of X-Band Signal		
3792	M1O	03-359/07:07:17.0	26	NOTE: Below Uplink Interlock Limit		
3793	M1O	03-359/07:07:21.2		NOTE: Exit Solar Eclipse 8998		03-359/06:58:36.2
3794	M1O	03-359/07:08:45.0		SPAWN, Engine = 65535, Parameters =	scdiag	03-359/07:00:00.0
3795	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
3796	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
3797	M1O	03-359/07:09:48.0		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-359/07:01:03.0
3798	M1O	03-359/07:09:48.2		NOTE: Start Block fsw_diag		03-359/07:01:03.2
3799	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
3800	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
3801	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
3802	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
3803	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3804	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
3805	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
3806	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
3807	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
3808	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
3809	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
3810	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
3811	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
3812	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
3813	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
3814	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
3815	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
3816	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
3817	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
3818	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
3819	M1O	03-359/07:12:59.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-359/07:04:14.2
3820	M1O	03-359/07:12:59.2		NOTE: Enter Planetary Atmosphere 8998		03-359/07:04:14.2
3821	M1O	03-359/07:13:10.2		NOTE: End Block fsw_diag.mod		03-359/07:04:25.2
3822	M1O	03-359/07:14:24.3		NOTE: Enter Earth Occultation 8998		03-359/07:05:39.2
3823	M1O	03-359/07:15:00.0	26	End Tracking		
3824	M1O	03-359/07:15:29.2		NOTE: North Pole Crossing 8998		03-359/07:06:44.2
3825	M1O	03-359/07:17:32.8		NOTE: Apoapsis 8998 -		03-359/07:08:47.8
3826	M1O	03-359/07:17:48.0	45	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3827	M1O	03-359/07:27:16.0		NOTE: EXIT HGA KEEP OUT ZONE		
3828	M1O	03-359/07:30:00.0	26	End Post-Cal		
3829	M1O	03-359/07:34:46.2		NOTE: Exit Earth Occultation 8998		03-359/07:26:01.1
3830	M1O	03-359/07:34:46.2	45	Acquisition Of X-Band Signal		
3831	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		
3832	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		
3833	M1O	03-359/07:36:12.2		NOTE: Exit Planetary Atmosphere 8998		03-359/07:27:27.1
3834	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
3835	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		
3836	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
3837	M1O	03-359/07:45:26.5		NOTE: Descending Node Crossing 8999		03-359/07:36:41.3
3838	M1O	03-359/08:14:48.3		NOTE: South Pole Crossing 8999		03-359/08:06:03.1
3839	M1O	03-359/08:16:00.7		NOTE: Periapsis 8999 ----------		03-359/08:07:15.4
3840	M1O	03-359/08:31:15.0	45	NOTE: X-Band Transmitter Off in 15 minutes		
3841	M1O	03-359/08:43:33.4		NOTE: Enter Solar Eclipse 8999		03-359/08:34:48.1
3842	M1O	03-359/08:44:07.3		NOTE: Ascending Node Crossing 8999		03-359/08:35:22.0
3843	M1O	03-359/08:46:15.0	45	X-Band Transmitter Off		
3844	M1O	03-359/09:02:44.3		SPAWN, Engine = 65535, Parameters = 3, 00:35:28.573, 1	dpt	03-359/08:53:59.0
3845	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
3846	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		
3847	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
3848	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		
3849	M1O	03-359/09:03:46.3		NOTE: ENTER HGA KEEP OUT ZONE		
3850	M1O	03-359/09:03:46.3	45	NOTE: Loss Of X-Band Signal		
3851	M1O	03-359/09:05:49.6		NOTE: Exit Solar Eclipse 8999		03-359/08:57:04.2
3852	M1O	03-359/09:11:35.5		NOTE: Enter Planetary Atmosphere 8999		03-359/09:02:50.1
3853	M1O	03-359/09:13:01.1		NOTE: Enter Earth Occultation 8999		03-359/09:04:15.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3854	M1O	03-359/09:14:01.7		NOTE: North Pole Crossing 8999		03-359/09:05:16.3
3855	M1O	03-359/09:15:00.0	34	Begin Pre-Cal		
3856	M1O	03-359/09:15:00.0	34	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
3857	M1O	03-359/09:15:00.0	34	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
3858	M1O	03-359/09:15:00.0	34	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
3859	M1O	03-359/09:15:00.0	34	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
3860	M1O	03-359/09:15:00.0	34	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
3861	M1O	03-359/09:15:00.0	34	Config: RCV: Parms:		
3862	M1O	03-359/09:15:00.0	34	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
3863	M1O	03-359/09:15:00.0	34	Config: TGC: BAND=X, SR=79632.000000		
3864	M1O	03-359/09:15:00.0	34	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
3865	M1O	03-359/09:16:12.3		NOTE: Apoapsis 8999 -		03-359/09:07:26.9
3866	M1O	03-359/09:25:46.4		NOTE: EXIT HGA KEEP OUT ZONE		
3867	M1O	03-359/09:33:15.0		NOTE: Exit Earth Occultation 8999		03-359/09:24:29.5
3868	M1O	03-359/09:33:15.0	45	Acquisition Of X-Band Signal		
3869	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		
3870	M1O	03-359/09:34:41.6		NOTE: Exit Planetary Atmosphere 8999		03-359/09:25:56.1
3871	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
3872	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		
3873	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
3874	M1O	03-359/09:43:59.4		NOTE: Descending Node Crossing 9000		03-359/09:35:13.9
3875	M1O	03-359/10:13:21.9		NOTE: South Pole Crossing 9000		03-359/10:04:36.3
3876	M1O	03-359/10:14:38.8		NOTE: Periapsis 9000 ----------		03-359/10:05:53.2
3877	M1O	03-359/10:15:00.0	34	Begin Tracking		
3878	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		
3879	M1O	03-359/10:30:00.0	45	End Tracking		
3880	M1O	03-359/10:42:08.0		NOTE: Enter Solar Eclipse 9000		03-359/10:33:22.3
3881	M1O	03-359/10:42:41.6		NOTE: Ascending Node Crossing 9000		03-359/10:33:55.9
3882	M1O	03-359/10:45:00.0	45	End Post-Cal		
3883	M1O	03-359/11:01:37.7		SPAWN, Engine = 65535, Parameters = 3, 00:35:07.388, 1	dpt	03-359/10:52:52.0
3884	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
3885	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		
3886	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
3887	M1O	03-359/11:02:39.7		NOTE: ENTER HGA KEEP OUT ZONE		
3888	M1O	03-359/11:02:39.7	34	NOTE: Loss Of X-Band Signal		
3889	M1O	03-359/11:04:19.4		NOTE: Exit Solar Eclipse 9000		03-359/10:55:33.6
3890	M1O	03-359/11:10:16.5		NOTE: Enter Planetary Atmosphere 9000		03-359/11:01:30.8
3891	M1O	03-359/11:11:42.8		NOTE: Enter Earth Occultation 9000		03-359/11:02:57.0
3892	M1O	03-359/11:12:37.3		NOTE: North Pole Crossing 9000		03-359/11:03:51.5
3893	M1O	03-359/11:14:46.3		NOTE: Apoapsis 9000 -		03-359/11:06:00.5
3894	M1O	03-359/11:24:19.8		NOTE: EXIT HGA KEEP OUT ZONE		
3895	M1O	03-359/11:25:00.0	55	Begin Pre-Cal		
3896	M1O	03-359/11:25:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
3897	M1O	03-359/11:25:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
3898	M1O	03-359/11:25:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
3899	M1O	03-359/11:25:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
3900	M1O	03-359/11:25:00.0	55	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
3901	M1O	03-359/11:25:00.0	55	Config: RCV: Parms:		
3902	M1O	03-359/11:25:00.0	55	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
3903	M1O	03-359/11:25:00.0	55	Config: TGC: BAND=X, SR=79632.000000		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3904	M1O	03-359/11:25:00.0	55	Config: TXL		
3905	M1O	03-359/11:25:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
3906	M1O	03-359/11:25:00.0	55	Config: CMD		
3907	M1O	03-359/11:25:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
3908	M1O	03-359/11:31:47.2		NOTE: Exit Earth Occultation 9000		03-359/11:23:01.3
3909	M1O	03-359/11:31:47.2	34	Acquisition Of X-Band Signal		
3910	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		
3911	M1O	03-359/11:33:14.4		NOTE: Exit Planetary Atmosphere 9000		03-359/11:24:28.6
3912	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
3913	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		
3914	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
3915	M1O	03-359/11:42:36.4		NOTE: Descending Node Crossing 9001		03-359/11:33:50.5
3916	M1O	03-359/12:11:58.9		NOTE: South Pole Crossing 9001		03-359/12:03:12.9
3917	M1O	03-359/12:13:20.1		NOTE: Periapsis 9001 ----------		03-359/12:04:34.1
3918	M1O	03-359/12:40:43.8		NOTE: Enter Solar Eclipse 9001		03-359/12:31:57.8
3919	M1O	03-359/12:41:18.1		NOTE: Ascending Node Crossing 9001		03-359/12:32:32.0
3920	M1O	03-359/12:55:00.0	55	Begin Tracking		
3921	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		
3922	M1O	03-359/13:00:14.1		SPAWN, Engine = 65535, Parameters = 3, 00:35:38.839, 1	dpt	03-359/12:51:28.0
3923	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
3924	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		
3925	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		
3926	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
3927	M1O	03-359/13:01:16.1		NOTE: ENTER HGA KEEP OUT ZONE		
3928	M1O	03-359/13:01:16.1	34	NOTE: Loss Of X-Band Signal		
3929	M1O	03-359/13:01:16.1	55	NOTE: Loss Of X-Band Signal		
3930	M1O	03-359/13:02:53.8		NOTE: Exit Solar Eclipse 9001		03-359/12:54:07.7
3931	M1O	03-359/13:08:29.0	55	NOTE: Above Uplink Interlock Limit		
3932	M1O	03-359/13:08:54.9		NOTE: Enter Planetary Atmosphere 9001		03-359/13:00:08.8
3933	M1O	03-359/13:10:21.3		NOTE: Enter Earth Occultation 9001		03-359/13:01:35.2
3934	M1O	03-359/13:11:14.1		NOTE: North Pole Crossing 9001		03-359/13:02:28.0
3935	M1O	03-359/13:11:51.0	34	NOTE: Below Uplink Interlock Limit		
3936	M1O	03-359/13:13:13.4		NOTE: Apoapsis 9001 -		03-359/13:04:27.3
3937	M1O	03-359/13:13:23.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3938	M1O	03-359/13:15:00.0	34	End Tracking		
3939	M1O	03-359/13:18:23.0	55	Range Modulation On: SUP=3.0dB		
3940	M1O	03-359/13:19:23.0	55	Begin Ranging Acquisition		
3941	M1O	03-359/13:22:56.1		NOTE: EXIT HGA KEEP OUT ZONE		
3942	M1O	03-359/13:30:00.0	34	End Post-Cal		
3943	M1O	03-359/13:30:23.3		NOTE: Exit Earth Occultation 9001		03-359/13:21:37.1
3944	M1O	03-359/13:30:23.3	55	Acquisition Of X-Band Signal		
3945	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		
3946	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		
3947	M1O	03-359/13:31:50.7		NOTE: Exit Planetary Atmosphere 9001		03-359/13:23:04.5
3948	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
3949	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		
3950	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
3951	M1O	03-359/13:41:13.6		NOTE: Descending Node Crossing 9002		03-359/13:32:27.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
3952	M1O	03-359/14:10:36.1		NOTE: South Pole Crossing 9002		03-359/14:01:49.8
3953	M1O	03-359/14:11:53.1		NOTE: Periapsis 9002 ----------		03-359/14:03:06.7
3954	M1O	03-359/14:27:20.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
3955	M1O	03-359/14:37:20.0	55	Range Modulation Off		
3956	M1O	03-359/14:39:20.6		NOTE: Enter Solar Eclipse 9002		03-359/14:30:34.2
3957	M1O	03-359/14:39:55.2		NOTE: Ascending Node Crossing 9002		03-359/14:31:08.8
3958	M1O	03-359/14:42:20.0	55	X-Band Transmitter Off		
3959	M1O	03-359/14:58:50.3		SPAWN, Engine = 65535, Parameters = 3, 00:35:40, 1	dpt	03-359/14:50:03.8
3960	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
3961	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		
3962	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
3963	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		
3964	M1O	03-359/14:59:53.4		NOTE: ENTER HGA KEEP OUT ZONE		
3965	M1O	03-359/14:59:53.4	55	NOTE: Loss Of X-Band Signal		
3966	M1O	03-359/15:01:31.7		NOTE: Exit Solar Eclipse 9002		03-359/14:52:45.2
3967	M1O	03-359/15:07:28.7		NOTE: Enter Planetary Atmosphere 9002		03-359/14:58:42.2
3968	M1O	03-359/15:08:54.8		NOTE: Enter Earth Occultation 9002		03-359/15:00:08.3
3969	M1O	03-359/15:09:50.6		NOTE: North Pole Crossing 9002		03-359/15:01:04.1
3970	M1O	03-359/15:11:35.5		NOTE: Apoapsis 9002 -		03-359/15:02:49.0
3971	M1O	03-359/15:12:00.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
3972	M1O	03-359/15:17:00.0	55	Range Modulation On: SUP=3.0dB		
3973	M1O	03-359/15:18:00.0	55	Begin Ranging Acquisition		
3974	M1O	03-359/15:21:33.5		NOTE: EXIT HGA KEEP OUT ZONE		
3975	M1O	03-359/15:29:01.2		NOTE: Exit Earth Occultation 9002		03-359/15:20:14.6
3976	M1O	03-359/15:29:01.2	55	Acquisition Of X-Band Signal		
3977	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		
3978	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		
3979	M1O	03-359/15:30:28.2		NOTE: Exit Planetary Atmosphere 9002		03-359/15:21:41.7
3980	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
3981	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		
3982	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
3983	M1O	03-359/15:39:49.2		NOTE: Descending Node Crossing 9003		03-359/15:31:02.6
3984	M1O	03-359/16:09:11.7		NOTE: South Pole Crossing 9003		03-359/16:00:25.0
3985	M1O	03-359/16:10:31.9		NOTE: Periapsis 9003 ----------		03-359/16:01:45.2
3986	M1O	03-359/16:25:55.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
3987	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
3988	M1O	03-359/16:33:40.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-359/16:24:53.5
3989	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		
3990	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
3991	M1O	03-359/16:33:42.8		CALL, Engine = , Parameters = 56	get_cmd_opt	03-359/16:24:56.1
3992	M1O	03-359/16:33:43.1		CALL, Engine = , Parameters = 359, 02, 056	bld_autosw	03-359/16:24:56.4
3993	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
3994	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
3995	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
3996	M1O	03-359/16:33:47.4		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-359/16:25:00.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy359_pass02_file02.dat, d:/dat/autoswitch.dat		
3997	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
3998	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
3999	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
4000	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
4001	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
4002	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
4003	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
4004	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
4005	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
4006	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
4007	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
4008	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
4009	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
4010	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
4011	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
4012	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
4013	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
4014	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
4015	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
4016	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
4017	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
4018	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
4019	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
4020	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
4021	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
4022	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
4023	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
4024	M1O	03-359/16:34:16.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass02_file16.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/16:25:30.1
4025	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
4026	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
4027	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
4028	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
4029	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
4030	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
4031	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
4032	M1O	03-359/16:34:25.1		CALL, Engine = , Parameters = 56	get_apid	03-359/16:25:38.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4033	M1O	03-359/16:34:26.2		CALL, Engine = , Parameters = 56	get_rcv_mode	03-359/16:25:39.5
4034	M1O	03-359/16:34:26.4		CALL, Engine = , Parameters = 56	get_dl_rate	03-359/16:25:39.7
4035	M1O	03-359/16:34:27.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-359/16:25:40.8
4036	M1O	03-359/16:34:28.7		CALL, Engine = , Parameters = 56	get_coding	03-359/16:25:42.0
4037	M1O	03-359/16:34:29.9		CALL, Engine = , Parameters = 56	get_xmt_mode	03-359/16:25:43.2
4038	M1O	03-359/16:34:31.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-359/16:25:44.4
4039	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
4040	M1O	03-359/16:35:36.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-359/16:26:50.2
4041	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
4042	M1O	03-359/16:35:38.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-359/16:26:52.2
4043	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
4044	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
4045	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
4046	M1O	03-359/16:35:55.0	55	Range Modulation Off		
4047	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
4048	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
4049	M1O	03-359/16:37:55.5		NOTE: Enter Solar Eclipse 9003		03-359/16:29:08.8
4050	M1O	03-359/16:38:30.7		NOTE: Ascending Node Crossing 9003		03-359/16:29:43.9
4051	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
4052	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
4053	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
4054	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
4055	M1O	03-359/16:40:55.0	55	X-Band Transmitter Off		
4056	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
4057	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
4058	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
4059	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
4060	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
4061	M1O	03-359/16:46:43.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-359/16:37:57.2
4062	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
4063	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
4064	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
4065	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
4066	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
4067	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4068	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
4069	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
4070	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
4071	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		
4072	M1O	03-359/16:51:19.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-359/16:42:32.7
4073	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
4074	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		
4075	M1O	03-359/16:57:25.6		SPAWN, Engine = 65535, Parameters = 3, 00:35:41, 1	dpt	03-359/16:48:38.8
4076	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
4077	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		
4078	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
4079	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		
4080	M1O	03-359/16:58:28.8		NOTE: ENTER HGA KEEP OUT ZONE		
4081	M1O	03-359/16:58:28.8	55	NOTE: Loss Of X-Band Signal		
4082	M1O	03-359/17:00:10.0		NOTE: Exit Solar Eclipse 9003		03-359/16:51:23.2
4083	M1O	03-359/17:05:58.1		NOTE: Enter Planetary Atmosphere 9003		03-359/16:57:11.2
4084	M1O	03-359/17:07:23.7		NOTE: Enter Earth Occultation 9003		03-359/16:58:36.8
4085	M1O	03-359/17:08:25.0		NOTE: North Pole Crossing 9003		03-359/16:59:38.1
4086	M1O	03-359/17:10:15.8		NOTE: Apoapsis 9003 -		03-359/17:01:28.9
4087	M1O	03-359/17:10:36.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4088	M1O	03-359/17:15:36.0	55	Range Modulation On: SUP=3.0dB		
4089	M1O	03-359/17:16:36.0	55	Begin Ranging Acquisition		
4090	M1O	03-359/17:20:08.8		NOTE: EXIT HGA KEEP OUT ZONE		
4091	M1O	03-359/17:27:37.4		NOTE: Exit Earth Occultation 9003		03-359/17:18:50.5
4092	M1O	03-359/17:27:37.4	55	Acquisition Of X-Band Signal		
4093	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		
4094	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		
4095	M1O	03-359/17:29:04.0		NOTE: Exit Planetary Atmosphere 9003		03-359/17:20:17.1
4096	M1O	03-359/17:32:25.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
4097	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
4098	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		
4099	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
4100	M1O	03-359/17:38:22.4		NOTE: Descending Node Crossing 9004		03-359/17:29:35.4
4101	M1O	03-359/17:42:25.0	55	Range Modulation Off		
4102	M1O	03-359/17:47:25.0	55	X-Band Transmitter Off		
4103	M1O	03-359/17:47:26.0	55	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
4104	M1O	03-359/17:56:47.0		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-359/17:48:00.0
4105	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
4106	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
4107	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
4108	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
4109	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4110	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
4111	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
4112	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		
4113	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
4114	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		
4115	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
4116	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
4117	M1O	03-359/18:04:25.8	55	D/L RF Warning: SC antenna change - expect signal level variation		
4118	M1O	03-359/18:04:26.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-359/17:55:39.8
4119	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		
4120	M1O	03-359/18:05:00.0	55	End Tracking		
4121	M1O	03-359/18:07:44.4		NOTE: South Pole Crossing 9004		03-359/17:58:57.3
4122	M1O	03-359/18:09:06.5		NOTE: Periapsis 9004 ----------		03-359/18:00:19.5
4123	M1O	03-359/18:20:00.0	55	End Post-Cal		
4124	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
4125	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
4126	M1O	03-359/18:29:31.2		CALL, Engine = , Parameters = 56	get_cmd_opt	03-359/18:20:44.1
4127	M1O	03-359/18:29:31.5		CALL, Engine = , Parameters = 359, 03, 056	bld_autosw	03-359/18:20:44.4
4128	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
4129	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
4130	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
4131	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
4132	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
4133	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
4134	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
4135	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
4136	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
4137	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
4138	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
4139	M1O	03-359/18:29:44.2		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy359_pass03_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-359/18:20:57.1
4140	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
4141	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
4142	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
4143	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
4144	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
4145	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
4146	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
4147	M1O	03-359/18:29:52.6		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-359/18:21:05.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy359_pass03_file10.dat, d:/dat/autoswitch.dat		
4148	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
4149	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
4150	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
4151	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
4152	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
4153	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
4154	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
4155	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
4156	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
4157	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
4158	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
4159	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
4160	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
4161	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
4162	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
4163	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
4164	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
4165	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
4166	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
4167	M1O	03-359/18:30:13.5		CALL, Engine = , Parameters = 56	get_apid	03-359/18:21:26.4
4168	M1O	03-359/18:30:14.6		CALL, Engine = , Parameters = 56	get_rcv_mode	03-359/18:21:27.5
4169	M1O	03-359/18:30:14.8		CALL, Engine = , Parameters = 56	get_dl_rate	03-359/18:21:27.7
4170	M1O	03-359/18:30:15.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-359/18:21:28.8
4171	M1O	03-359/18:30:17.1		CALL, Engine = , Parameters = 56	get_coding	03-359/18:21:30.0
4172	M1O	03-359/18:30:18.3		CALL, Engine = , Parameters = 56	get_xmt_mode	03-359/18:21:31.2
4173	M1O	03-359/18:30:19.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-359/18:21:32.4
4174	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
4175	M1O	03-359/18:31:25.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-359/18:22:38.2
4176	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
4177	M1O	03-359/18:31:27.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-359/18:22:40.2
4178	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
4179	M1O	03-359/18:31:29.3		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-359/18:22:42.2
4180	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
4181	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
4182	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
4183	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
4184	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
4185	M1O	03-359/18:36:27.0		NOTE: Enter Solar Eclipse 9004		03-359/18:27:39.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4186	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
4187	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
4188	M1O	03-359/18:37:03.0		NOTE: Ascending Node Crossing 9004		03-359/18:28:15.9
4189	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
4190	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
4191	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
4192	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
4193	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
4194	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
4195	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
4196	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
4197	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
4198	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
4199	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
4200	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
4201	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
4202	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
4203	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
4204	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
4205	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
4206	M1O	03-359/18:49:57.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-359/18:41:10.2
4207	M1O	03-359/18:57:02.1		NOTE: ENTER HGA KEEP OUT ZONE		
4208	M1O	03-359/18:58:43.6		NOTE: Exit Solar Eclipse 9004		03-359/18:49:56.4
4209	M1O	03-359/19:04:27.7		NOTE: Enter Planetary Atmosphere 9004		03-359/18:55:40.5
4210	M1O	03-359/19:05:53.1		NOTE: Enter Earth Occultation 9004		03-359/18:57:05.9
4211	M1O	03-359/19:06:56.9		NOTE: North Pole Crossing 9004		03-359/18:58:09.7
4212	M1O	03-359/19:08:59.1		NOTE: Apoapsis 9004 -		03-359/19:00:11.9
4213	M1O	03-359/19:18:42.2		NOTE: EXIT HGA KEEP OUT ZONE		
4214	M1O	03-359/19:26:09.9		NOTE: Exit Earth Occultation 9004		03-359/19:17:22.6
4215	M1O	03-359/19:27:36.3		NOTE: Exit Planetary Atmosphere 9004		03-359/19:18:49.0
4216	M1O	03-359/19:36:54.1		NOTE: Descending Node Crossing 9005		03-359/19:28:06.8
4217	M1O	03-359/20:06:15.2		NOTE: South Pole Crossing 9005		03-359/19:57:27.8
4218	M1O	03-359/20:07:24.3		NOTE: Periapsis 9005 ----------		03-359/19:58:36.9
4219	M1O	03-359/20:34:58.1		NOTE: Enter Solar Eclipse 9005		03-359/20:26:10.6
4220	M1O	03-359/20:35:33.5		NOTE: Ascending Node Crossing 9005		03-359/20:26:46.0
4221	M1O	03-359/20:55:14.5		NOTE: ENTER HGA KEEP OUT ZONE		
4222	M1O	03-359/20:57:10.5		NOTE: Exit Solar Eclipse 9005		03-359/20:48:23.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4223	M1O	03-359/21:03:03.3		NOTE: Enter Planetary Atmosphere 9005		03-359/20:54:15.7
4224	M1O	03-359/21:04:29.1		NOTE: Enter Earth Occultation 9005		03-359/20:55:41.5
4225	M1O	03-359/21:05:28.6		NOTE: North Pole Crossing 9005		03-359/20:56:41.0
4226	M1O	03-359/21:07:10.2		NOTE: Apoapsis 9005 -		03-359/20:58:22.6
4227	M1O	03-359/21:17:14.6		NOTE: EXIT HGA KEEP OUT ZONE		
4228	M1O	03-359/21:24:39.2		NOTE: Exit Earth Occultation 9005		03-359/21:15:51.6
4229	M1O	03-359/21:26:06.2		NOTE: Exit Planetary Atmosphere 9005		03-359/21:17:18.5
4230	M1O	03-359/21:35:00.0	15	Begin Pre-Cal		
4231	M1O	03-359/21:35:00.0	15	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
4232	M1O	03-359/21:35:00.0	15	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
4233	M1O	03-359/21:35:00.0	15	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
4234	M1O	03-359/21:35:00.0	15	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
4235	M1O	03-359/21:35:00.0	15	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
4236	M1O	03-359/21:35:00.0	15	Config: RCV: Parms:		
4237	M1O	03-359/21:35:00.0	15	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
4238	M1O	03-359/21:35:00.0	15	Config: TGC: BAND=X, SR=79632.000000		
4239	M1O	03-359/21:35:00.0	15	Config: TXL		
4240	M1O	03-359/21:35:00.0	15	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
4241	M1O	03-359/21:35:00.0	15	Config: CMD		
4242	M1O	03-359/21:35:26.7		NOTE: Descending Node Crossing 9006		03-359/21:26:39.0
4243	M1O	03-359/22:04:48.3		NOTE: South Pole Crossing 9006		03-359/21:56:00.5
4244	M1O	03-359/22:05:39.8		NOTE: Periapsis 9006 ----------		03-359/21:56:52.0
4245	M1O	03-359/22:19:35.7		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-359/22:10:47.9
4246	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
4247	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
4248	M1O	03-359/22:19:37.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-359/22:10:50.0
4249	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
4250	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
4251	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
4252	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
4253	M1O	03-359/22:20:00.0	15	Begin Tracking		
4254	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		
4255	M1O	03-359/22:20:00.7		NOTE: Changing to 34M (HEF) downlink rate: 66360_BPS		03-359/22:11:12.9
4256	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
4257	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		
4258	M1O	03-359/22:21:00.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4259	M1O	03-359/22:21:11.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
4260	M1O	03-359/22:24:59.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-359/22:16:12.0
4261	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
4262	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		
4263	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
4264	M1O	03-359/22:33:34.3		NOTE: Enter Solar Eclipse 9006		03-359/22:24:46.5
4265	M1O	03-359/22:34:07.6		NOTE: Ascending Node Crossing 9006		03-359/22:25:19.8
4266	M1O	03-359/22:36:11.0	15	X-Band Transmitter Off		
4267	M1O	03-359/22:37:32.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-359/22:28:44.9
4268	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
4269	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4270	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
4271	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		
4272	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
4273	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		
4274	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
4275	M1O	03-359/22:52:43.8		SPAWN, Engine = 65535, Parameters = 3, 00:35:56, 1	dpt	03-359/22:43:55.9
4276	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
4277	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		
4278	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
4279	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		
4280	M1O	03-359/22:53:46.9		NOTE: ENTER HGA KEEP OUT ZONE		
4281	M1O	03-359/22:53:46.9	15	NOTE: Loss Of X-Band Signal		
4282	M1O	03-359/22:55:40.1		NOTE: Exit Solar Eclipse 9006		03-359/22:46:52.2
4283	M1O	03-359/23:01:42.7		NOTE: Enter Planetary Atmosphere 9006		03-359/22:52:54.8
4284	M1O	03-359/23:03:09.1		NOTE: Enter Earth Occultation 9006		03-359/22:54:21.2
4285	M1O	03-359/23:04:03.4		NOTE: North Pole Crossing 9006		03-359/22:55:15.4
4286	M1O	03-359/23:05:34.2		NOTE: Apoapsis 9006 -		03-359/22:56:46.2
4287	M1O	03-359/23:06:07.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4288	M1O	03-359/23:15:46.9		NOTE: EXIT HGA KEEP OUT ZONE		
4289	M1O	03-359/23:23:10.7		NOTE: Exit Earth Occultation 9006		03-359/23:14:22.7
4290	M1O	03-359/23:23:10.7	15	Acquisition Of X-Band Signal		
4291	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		
4292	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		
4293	M1O	03-359/23:24:38.1		NOTE: Exit Planetary Atmosphere 9006		03-359/23:15:50.2
4294	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
4295	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		
4296	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
4297	M1O	03-359/23:34:01.9		NOTE: Descending Node Crossing 9007		03-359/23:25:13.9
4298	M1O	03-360/00:00:00.0		Light Time: OWLT = 08:48, RTLT = 17:36		
4299	M1O	03-360/00:03:24.9		NOTE: South Pole Crossing 9007		03-359/23:54:36.8
4300	M1O	03-360/00:04:36.4		NOTE: Periapsis 9007 ----------		03-359/23:55:48.3
4301	M1O	03-360/00:20:04.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
4302	M1O	03-360/00:32:11.4		NOTE: Enter Solar Eclipse 9007		03-360/00:23:23.2
4303	M1O	03-360/00:32:45.0		NOTE: Ascending Node Crossing 9007		03-360/00:23:56.8
4304	M1O	03-360/00:35:04.0	15	X-Band Transmitter Off		
4305	M1O	03-360/00:51:38.2		SPAWN, Engine = 65535, Parameters = 3, 00:35:36, 1	dpt	03-360/00:42:50.0
4306	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
4307	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		
4308	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
4309	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		
4310	M1O	03-360/00:52:42.2		NOTE: ENTER HGA KEEP OUT ZONE		
4311	M1O	03-360/00:52:42.2	15	NOTE: Loss Of X-Band Signal		
4312	M1O	03-360/00:54:15.9		NOTE: Exit Solar Eclipse 9007		03-360/00:45:27.7
4313	M1O	03-360/01:00:20.2		NOTE: Enter Planetary Atmosphere 9007		03-360/00:51:32.0
4314	M1O	03-360/01:01:46.9		NOTE: Enter Earth Occultation 9007		03-360/00:52:58.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4315	M1O	03-360/01:02:40.2		NOTE: North Pole Crossing 9007		03-360/00:53:51.9
4316	M1O	03-360/01:04:40.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4317	M1O	03-360/01:04:43.0		NOTE: Apoapsis 9007 -		03-360/00:55:54.7
4318	M1O	03-360/01:14:22.3		NOTE: EXIT HGA KEEP OUT ZONE		
4319	M1O	03-360/01:21:45.2		NOTE: Exit Earth Occultation 9007		03-360/01:12:56.9
4320	M1O	03-360/01:21:45.2	15	Acquisition Of X-Band Signal		
4321	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		
4322	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		
4323	M1O	03-360/01:23:12.8		NOTE: Exit Planetary Atmosphere 9007		03-360/01:14:24.5
4324	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
4325	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		
4326	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
4327	M1O	03-360/01:30:00.0	43	Begin Pre-Cal		
4328	M1O	03-360/01:30:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
4329	M1O	03-360/01:30:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
4330	M1O	03-360/01:30:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
4331	M1O	03-360/01:30:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
4332	M1O	03-360/01:30:00.0	43	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
4333	M1O	03-360/01:30:00.0	43	Config: RCV: Parms:		
4334	M1O	03-360/01:30:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
4335	M1O	03-360/01:30:00.0	43	Config: TGC: BAND=X, SR=132720.000000		
4336	M1O	03-360/01:30:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
4337	M1O	03-360/01:32:38.8		NOTE: Descending Node Crossing 9008		03-360/01:23:50.4
4338	M1O	03-360/02:02:02.4		NOTE: South Pole Crossing 9008		03-360/01:53:13.9
4339	M1O	03-360/02:03:42.3		NOTE: Periapsis 9008 ----------		03-360/01:54:53.8
4340	M1O	03-360/02:18:40.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
4341	M1O	03-360/02:30:46.8		NOTE: Enter Solar Eclipse 9008		03-360/02:21:58.2
4342	M1O	03-360/02:31:22.2		NOTE: Ascending Node Crossing 9008		03-360/02:22:33.6
4343	M1O	03-360/02:33:40.0	15	X-Band Transmitter Off		
4344	M1O	03-360/02:50:14.6		SPAWN, Engine = 65535, Parameters = 3, 00:35:36, 1	dpt	03-360/02:41:26.0
4345	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
4346	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		
4347	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
4348	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		
4349	M1O	03-360/02:51:18.6		NOTE: ENTER HGA KEEP OUT ZONE		
4350	M1O	03-360/02:51:18.6	15	NOTE: Loss Of X-Band Signal		
4351	M1O	03-360/02:52:53.3		NOTE: Exit Solar Eclipse 9008		03-360/02:44:04.7
4352	M1O	03-360/02:58:56.1		NOTE: Enter Planetary Atmosphere 9008		03-360/02:50:07.5
4353	M1O	03-360/03:00:00.0	43	Begin Tracking		
4354	M1O	03-360/03:00:00.5		NOTE: Changing to 70M downlink rate: 110600_BPS		03-360/02:51:11.8
4355	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
4356	M1O	03-360/03:00:22.8		NOTE: Enter Earth Occultation 9008		03-360/02:51:34.2
4357	M1O	03-360/03:01:17.1		NOTE: North Pole Crossing 9008		03-360/02:52:28.4
4358	M1O	03-360/03:03:16.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4359	M1O	03-360/03:03:48.7		NOTE: Apoapsis 9008 -		03-360/02:55:00.1
4360	M1O	03-360/03:04:14.0	43	NOTE: Above Uplink Interlock Limit		
4361	M1O	03-360/03:12:58.6		NOTE: EXIT HGA KEEP OUT ZONE		
4362	M1O	03-360/03:20:21.4		NOTE: Exit Earth Occultation 9008		03-360/03:11:32.7
4363	M1O	03-360/03:20:21.4	15	Acquisition Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4364	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		
4365	M1O	03-360/03:20:21.4	43	Acquisition Of X-Band Signal		
4366	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		
4367	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		
4368	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		
4369	M1O	03-360/03:21:37.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
4370	M1O	03-360/03:21:49.0		NOTE: Exit Planetary Atmosphere 9008		03-360/03:13:00.3
4371	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
4372	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		
4373	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		
4374	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
4375	M1O	03-360/03:31:16.0		NOTE: Descending Node Crossing 9009		03-360/03:22:27.2
4376	M1O	03-360/03:36:37.0	15	X-Band Transmitter Off		
4377	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
4378	M1O	03-360/03:44:16.8		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-360/03:35:28.1
4379	M1O	03-360/03:44:17.8		Forces a desaturation of the reaction wheels.	RW_DESAT	03-360/03:35:29.1
4380	M1O	03-360/03:46:03.7		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-360/03:37:15.0
4381	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
4382	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
4383	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
4384	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
4385	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
4386	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
4387	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
4388	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		
4389	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		
4390	M1O	03-360/03:53:25.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-360/03:44:36.8
4391	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		
4392	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		
4393	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
4394	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
4395	M1O	03-360/03:53:42.6	15	D/L RF Warning: SC antenna change - expect signal level variation		
4396	M1O	03-360/03:53:42.6	43	D/L RF Warning: SC antenna change - expect signal level variation		
4397	M1O	03-360/03:53:43.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-360/03:44:54.8
4398	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4399	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		
4400	M1O	03-360/03:55:47.9		CALL, Engine = , Parameters = FALSE	park_hga	03-360/03:46:59.1
4401	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
4402	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
4403	M1O	03-360/03:55:49.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-360/03:47:01.1
4404	M1O	03-360/03:55:49.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-360/03:47:01.1
4405	M1O	03-360/03:55:49.9		NOTE: START HGA PARK		
4406	M1O	03-360/03:55:49.9	15	NOTE: Loss Of X-Band Signal		
4407	M1O	03-360/03:55:49.9	43	NOTE: Loss Of X-Band Signal		
4408	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
4409	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
4410	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
4411	M1O	03-360/04:00:38.9		NOTE: South Pole Crossing 9009		03-360/03:51:50.0
4412	M1O	03-360/04:02:30.9		NOTE: Periapsis 9009 ----------		03-360/03:53:42.0
4413	M1O	03-360/04:03:51.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-360/03:55:03.1
4414	M1O	03-360/04:03:51.9		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-360/03:55:03.1
4415	M1O	03-360/04:29:19.9		NOTE: Enter Solar Eclipse 9009		03-360/04:20:30.9
4416	M1O	03-360/04:29:57.5		NOTE: Ascending Node Crossing 9009		03-360/04:21:08.6
4417	M1O	03-360/04:33:51.9		GV: GV_DESAT_ACTIVE = 1		03-360/04:25:03.0
4418	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
4419	M1O	03-360/04:33:52.9		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-360/04:25:04.0
4420	M1O	03-360/04:43:51.9		GV: GV_DESAT_ACTIVE = 0		03-360/04:35:03.0
4421	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
4422	M1O	03-360/04:43:53.9		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-360/04:35:05.0
4423	M1O	03-360/04:43:54.9		CALL, Engine = , Parameters =	unpark_hga	03-360/04:35:06.0
4424	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
4425	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
4426	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
4427	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
4428	M1O	03-360/04:49:55.9		NOTE: ENTER HGA KEEP OUT ZONE		
4429	M1O	03-360/04:51:30.4		NOTE: Exit Solar Eclipse 9009		03-360/04:42:41.5
4430	M1O	03-360/04:52:26.9		NOTE: EXIT HGA PARK		
4431	M1O	03-360/04:57:28.2		NOTE: Enter Planetary Atmosphere 9009		03-360/04:48:39.2
4432	M1O	03-360/04:58:54.6		NOTE: Enter Earth Occultation 9009		03-360/04:50:05.6
4433	M1O	03-360/04:59:52.2		NOTE: North Pole Crossing 9009		03-360/04:51:03.2
4434	M1O	03-360/05:01:53.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4435	M1O	03-360/05:02:22.6		NOTE: Apoapsis 9009 -		03-360/04:53:33.6
4436	M1O	03-360/05:11:36.0		NOTE: EXIT HGA KEEP OUT ZONE		
4437	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
4438	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
4439	M1O	03-360/05:15:31.1		CALL, Engine = , Parameters = 56	get_cmd_opt	03-360/05:06:42.1
4440	M1O	03-360/05:15:31.4		CALL, Engine = , Parameters = 360, 01, 056	bld_autosw	03-360/05:06:42.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4441	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
4442	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
4443	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
4444	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
4445	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
4446	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
4447	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
4448	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
4449	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
4450	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
4451	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
4452	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
4453	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
4454	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
4455	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
4456	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
4457	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
4458	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
4459	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
4460	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
4461	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
4462	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
4463	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
4464	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
4465	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
4466	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
4467	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
4468	M1O	03-360/05:16:00.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass01_file14.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/05:07:11.9
4469	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
4470	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
4471	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
4472	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
4473	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
4474	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
4475	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
4476	M1O	03-360/05:16:09.3		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-360/05:07:20.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy360_pass01_file18.dat, d:/dat/autoswitch.dat		
4477	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
4478	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
4479	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
4480	M1O	03-360/05:16:13.4		CALL, Engine = , Parameters = 56	get_apid	03-360/05:07:24.4
4481	M1O	03-360/05:16:14.5		CALL, Engine = , Parameters = 56	get_rcv_mode	03-360/05:07:25.5
4482	M1O	03-360/05:16:14.7		CALL, Engine = , Parameters = 56	get_dl_rate	03-360/05:07:25.7
4483	M1O	03-360/05:16:15.8		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-360/05:07:26.8
4484	M1O	03-360/05:16:17.0		CALL, Engine = , Parameters = 56	get_coding	03-360/05:07:28.0
4485	M1O	03-360/05:16:18.2		CALL, Engine = , Parameters = 56	get_xmt_mode	03-360/05:07:29.2
4486	M1O	03-360/05:16:19.4		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-360/05:07:30.4
4487	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
4488	M1O	03-360/05:17:25.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-360/05:08:36.2
4489	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
4490	M1O	03-360/05:17:27.2		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-360/05:08:38.2
4491	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
4492	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
4493	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
4494	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
4495	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
4496	M1O	03-360/05:18:33.3		SPAWN, Engine = 65535, Parameters = 00:05:31.770	cstr	03-360/05:09:44.2
4497	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
4498	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
4499	M1O	03-360/05:18:35.4		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-360/05:09:46.3
4500	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
4501	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
4502	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
4503	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
4504	M1O	03-360/05:18:58.3		NOTE: Exit Earth Occultation 9009		03-360/05:10:09.2
4505	M1O	03-360/05:18:58.3	15	Acquisition Of X-Band Signal		
4506	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		
4507	M1O	03-360/05:18:58.3	43	Acquisition Of X-Band Signal		
4508	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		
4509	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		
4510	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		
4511	M1O	03-360/05:20:25.6		NOTE: Exit Planetary Atmosphere 9009		03-360/05:11:36.6
4512	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
4513	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
4514	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
4515	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
4516	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4517	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
4518	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		
4519	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		
4520	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
4521	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		
4522	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		
4523	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
4524	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
4525	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
4526	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
4527	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
4528	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
4529	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
4530	M1O	03-360/05:29:50.9		NOTE: Descending Node Crossing 9010		03-360/05:21:01.8
4531	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
4532	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
4533	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
4534	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
4535	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
4536	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
4537	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
4538	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
4539	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
4540	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
4541	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
4542	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		
4543	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		
4544	M1O	03-360/05:35:17.0		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-360/05:26:27.9
4545	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
4546	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		
4547	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		
4548	M1O	03-360/05:59:12.5		NOTE: South Pole Crossing 9010		03-360/05:50:23.3
4549	M1O	03-360/06:00:49.1		NOTE: Periapsis 9010 ----------		03-360/05:51:59.9
4550	M1O	03-360/06:15:51.0	15	NOTE: X-Band Transmitter Off in 15 minutes		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4551	M1O	03-360/06:27:51.8		NOTE: Enter Solar Eclipse 9010		03-360/06:19:02.5
4552	M1O	03-360/06:28:30.3		NOTE: Ascending Node Crossing 9010		03-360/06:19:41.0
4553	M1O	03-360/06:30:51.0	15	X-Band Transmitter Off		
4554	M1O	03-360/06:47:27.4		SPAWN, Engine = 65535, Parameters = 3, 00:35:02.981, 1	dpt	03-360/06:38:38.1
4555	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
4556	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		
4557	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		
4558	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
4559	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		
4560	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		
4561	M1O	03-360/06:48:31.3		NOTE: ENTER HGA KEEP OUT ZONE		
4562	M1O	03-360/06:48:31.3	15	NOTE: Loss Of X-Band Signal		
4563	M1O	03-360/06:48:31.3	43	NOTE: Loss Of X-Band Signal		
4564	M1O	03-360/06:50:05.1		NOTE: Exit Solar Eclipse 9010		03-360/06:41:15.8
4565	M1O	03-360/06:55:57.3		NOTE: Enter Planetary Atmosphere 9010		03-360/06:47:07.9
4566	M1O	03-360/06:57:23.3		NOTE: Enter Earth Occultation 9010		03-360/06:48:33.9
4567	M1O	03-360/06:58:24.7		NOTE: North Pole Crossing 9010		03-360/06:49:35.3
4568	M1O	03-360/07:00:34.2		NOTE: Apoapsis 9010 -		03-360/06:51:44.8
4569	M1O	03-360/07:06:45.0	15	NOTE: Below Uplink Interlock Limit		
4570	M1O	03-360/07:08:49.4		SPAWN, Engine = 65535, Parameters =	scdiag	03-360/07:00:00.0
4571	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
4572	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
4573	M1O	03-360/07:09:52.4		SPAWN, Engine = 65535, Parameters = MONTHLY	fsw_diag	03-360/07:01:03.0
4574	M1O	03-360/07:09:52.6		NOTE: Start Block fsw_diag		03-360/07:01:03.2
4575	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
4576	M1O	03-360/07:10:03.6		Causes the fault history table to be dumped.	FHT_DUMP_ALL	03-360/07:01:14.2
4577	M1O	03-360/07:10:11.4		NOTE: EXIT HGA KEEP OUT ZONE		
4578	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
4579	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
4580	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
4581	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
4582	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
4583	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
4584	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
4585	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
4586	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
4587	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
4588	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
4589	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
4590	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
4591	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
4592	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
4593	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
4594	M1O	03-360/07:12:54.6		NOTE: End Block fsw_diag.mod		03-360/07:04:05.2
4595	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4596	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
4597	M1O	03-360/07:13:09.5		CALL, Engine = , Parameters = 56	get_cmd_opt	03-360/07:04:20.1
4598	M1O	03-360/07:13:09.8		CALL, Engine = , Parameters = 360, 02, 056	bld_autosw	03-360/07:04:20.4
4599	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
4600	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
4601	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
4602	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
4603	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
4604	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
4605	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
4606	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
4607	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
4608	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
4609	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
4610	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
4611	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
4612	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
4613	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
4614	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
4615	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
4616	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
4617	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
4618	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
4619	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
4620	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
4621	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
4622	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
4623	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
4624	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
4625	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
4626	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
4627	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
4628	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
4629	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
4630	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
4631	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4632	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
4633	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
4634	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
4635	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
4636	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
4637	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
4638	M1O	03-360/07:13:51.8		CALL, Engine = , Parameters = 56	get_apid	03-360/07:05:02.4
4639	M1O	03-360/07:13:52.9		CALL, Engine = , Parameters = 56	get_rcv_mode	03-360/07:05:03.5
4640	M1O	03-360/07:13:53.1		CALL, Engine = , Parameters = 56	get_dl_rate	03-360/07:05:03.7
4641	M1O	03-360/07:13:54.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-360/07:05:04.8
4642	M1O	03-360/07:13:54.4		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-360/07:05:05.0
4643	M1O	03-360/07:13:54.6		NOTE: Start Block fsw_diag		03-360/07:05:05.2
4644	M1O	03-360/07:13:55.4		CALL, Engine = , Parameters = 56	get_coding	03-360/07:05:06.0
4645	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
4646	M1O	03-360/07:13:56.6		CALL, Engine = , Parameters = 56	get_xmt_mode	03-360/07:05:07.2
4647	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
4648	M1O	03-360/07:13:57.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-360/07:05:08.4
4649	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
4650	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
4651	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
4652	M1O	03-360/07:15:00.0	15	End Tracking		
4653	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
4654	M1O	03-360/07:15:03.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-360/07:06:14.2
4655	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
4656	M1O	03-360/07:15:05.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-360/07:06:16.2
4657	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
4658	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
4659	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
4660	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
4661	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
4662	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
4663	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
4664	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
4665	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
4666	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
4667	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
4668	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
4669	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
4670	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
4671	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
4672	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4673	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
4674	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
4675	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
4676	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
4677	M1O	03-360/07:17:05.6		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-360/07:08:16.2
4678	M1O	03-360/07:17:16.6		NOTE: End Block fsw_diag.mod		03-360/07:08:27.2
4679	M1O	03-360/07:17:32.5		NOTE: Exit Earth Occultation 9010		03-360/07:08:43.0
4680	M1O	03-360/07:17:32.5	43	Acquisition Of X-Band Signal		
4681	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		
4682	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
4683	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
4684	M1O	03-360/07:18:59.5		NOTE: Exit Planetary Atmosphere 9010		03-360/07:10:10.1
4685	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
4686	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
4687	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
4688	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
4689	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
4690	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		
4691	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
4692	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		
4693	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
4694	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
4695	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
4696	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
4697	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
4698	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
4699	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
4700	M1O	03-360/07:28:22.5		NOTE: Descending Node Crossing 9011		03-360/07:19:33.1
4701	M1O	03-360/07:30:00.0	15	End Post-Cal		
4702	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
4703	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
4704	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
4705	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
4706	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
4707	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4708	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
4709	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		
4710	M1O	03-360/07:32:15.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-360/07:23:25.9
4711	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
4712	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		
4713	M1O	03-360/07:57:44.0		NOTE: South Pole Crossing 9011		03-360/07:48:54.4
4714	M1O	03-360/07:59:02.7		NOTE: Periapsis 9011 ----------		03-360/07:50:13.2
4715	M1O	03-360/08:26:24.3		NOTE: Enter Solar Eclipse 9011		03-360/08:17:34.7
4716	M1O	03-360/08:27:02.2		NOTE: Ascending Node Crossing 9011		03-360/08:18:12.6
4717	M1O	03-360/08:45:40.6		SPAWN, Engine = 65535, Parameters = 3, 00:35:51.114, 1	dpt	03-360/08:36:51.0
4718	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
4719	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		
4720	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
4721	M1O	03-360/08:46:42.7		NOTE: ENTER HGA KEEP OUT ZONE		
4722	M1O	03-360/08:46:42.7	43	NOTE: Loss Of X-Band Signal		
4723	M1O	03-360/08:48:35.8		NOTE: Exit Solar Eclipse 9011		03-360/08:39:46.1
4724	M1O	03-360/08:54:29.3		NOTE: Enter Planetary Atmosphere 9011		03-360/08:45:39.6
4725	M1O	03-360/08:55:55.6		NOTE: Enter Earth Occultation 9011		03-360/08:47:05.8
4726	M1O	03-360/08:56:56.2		NOTE: North Pole Crossing 9011		03-360/08:48:06.5
4727	M1O	03-360/08:58:55.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4728	M1O	03-360/08:59:13.4		NOTE: Apoapsis 9011 -		03-360/08:50:23.6
4729	M1O	03-360/09:03:55.0	43	Range Modulation On: SUP=3.0dB		
4730	M1O	03-360/09:04:55.0	43	Begin Ranging Acquisition		
4731	M1O	03-360/09:08:42.7		NOTE: EXIT HGA KEEP OUT ZONE		
4732	M1O	03-360/09:16:02.1		NOTE: Exit Earth Occultation 9011		03-360/09:07:12.3
4733	M1O	03-360/09:16:02.1	43	Acquisition Of X-Band Signal		
4734	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		
4735	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		
4736	M1O	03-360/09:17:29.3		NOTE: Exit Planetary Atmosphere 9011		03-360/09:08:39.5
4737	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
4738	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		
4739	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
4740	M1O	03-360/09:26:53.7		NOTE: Descending Node Crossing 9012		03-360/09:18:03.9
4741	M1O	03-360/09:56:16.0		NOTE: South Pole Crossing 9012		03-360/09:47:26.1
4742	M1O	03-360/09:57:36.0		NOTE: Periapsis 9012 ----------		03-360/09:48:46.1
4743	M1O	03-360/10:12:53.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
4744	M1O	03-360/10:22:53.0	43	Range Modulation Off		
4745	M1O	03-360/10:24:58.2		NOTE: Enter Solar Eclipse 9012		03-360/10:16:08.2
4746	M1O	03-360/10:25:35.3		NOTE: Ascending Node Crossing 9012		03-360/10:16:45.3
4747	M1O	03-360/10:27:53.0	43	X-Band Transmitter Off		
4748	M1O	03-360/10:44:30.1		SPAWN, Engine = 65535, Parameters = 3, 00:35:31, 1	dpt	03-360/10:35:40.1
4749	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
4750	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		
4751	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4752	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		
4753	M1O	03-360/10:45:34.0		NOTE: ENTER HGA KEEP OUT ZONE		
4754	M1O	03-360/10:45:34.0	43	NOTE: Loss Of X-Band Signal		
4755	M1O	03-360/10:47:03.8		NOTE: Exit Solar Eclipse 9012		03-360/10:38:13.7
4756	M1O	03-360/10:53:09.9		NOTE: Enter Planetary Atmosphere 9012		03-360/10:44:19.8
4757	M1O	03-360/10:54:36.9		NOTE: Enter Earth Occultation 9012		03-360/10:45:46.8
4758	M1O	03-360/10:55:30.6		NOTE: North Pole Crossing 9012		03-360/10:46:40.5
4759	M1O	03-360/10:57:24.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4760	M1O	03-360/10:57:51.2		NOTE: Apoapsis 9012 -		03-360/10:49:01.1
4761	M1O	03-360/11:02:24.0	43	Range Modulation On: SUP=3.0dB		
4762	M1O	03-360/11:03:24.0	43	Begin Ranging Acquisition		
4763	M1O	03-360/11:07:14.1		NOTE: EXIT HGA KEEP OUT ZONE		
4764	M1O	03-360/11:14:32.0		NOTE: Exit Earth Occultation 9012		03-360/11:05:41.9
4765	M1O	03-360/11:14:32.0	43	Acquisition Of X-Band Signal		
4766	M1O	03-360/11:14:32.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4767	M1O	03-360/11:15:04.1	43	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4768	M1O	03-360/11:16:00.0		NOTE: Exit Planetary Atmosphere 9012		03-360/11:07:09.8
4769	M1O	03-360/11:20:03.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-360/11:11:13.2
4770	M1O	03-360/11:20:03.3	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
4771	M1O	03-360/11:20:04.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-360/11:11:14.2
4772	M1O	03-360/11:25:29.5		NOTE: Descending Node Crossing 9013		03-360/11:16:39.4
4773	M1O	03-360/11:54:51.9		NOTE: South Pole Crossing 9013		03-360/11:46:01.7
4774	M1O	03-360/11:56:18.9		NOTE: Periapsis 9013 ----------		03-360/11:47:28.6
4775	M1O	03-360/12:11:27.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
4776	M1O	03-360/12:21:27.0	43	Range Modulation Off		
4777	M1O	03-360/12:23:33.3		NOTE: Enter Solar Eclipse 9013		03-360/12:14:43.0
4778	M1O	03-360/12:24:10.9		NOTE: Ascending Node Crossing 9013		03-360/12:15:20.6
4779	M1O	03-360/12:26:27.0	43	X-Band Transmitter Off		
4780	M1O	03-360/12:35:57.3		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-360/12:27:07.0
4781	M1O	03-360/12:36:13.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2003-358T12:27:07.100, 2003-360T12:27:07.100	PCKTS_RE_TX_TIME	03-360/12:27:22.8
4782	M1O	03-360/12:36:14.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-358T12:27:07.100, 2003-360T12:27:07.100	PCKTS_RE_TX_TIME	03-360/12:27:23.8
4783	M1O	03-360/12:36:15.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2003-358T12:27:07.100, 2003-360T12:27:07.100	PCKTS_RE_TX_TIME	03-360/12:27:24.8
4784	M1O	03-360/12:36:16.1		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-358T12:27:07.100, 2003-360T12:27:07.100	PCKTS_RE_TX_TIME	03-360/12:27:25.8
4785	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
4786	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
4787	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
4788	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		
4789	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
4790	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		
4791	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4792	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
4793	M1O	03-360/12:43:36.2	43	D/L RF Warning: SC antenna change - expect signal level variation		
4794	M1O	03-360/12:43:37.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-360/12:34:46.8
4795	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		
4796	M1O	03-360/12:44:09.4		NOTE: ENTER HGA KEEP OUT ZONE		
4797	M1O	03-360/12:44:09.4	43	NOTE: Loss Of X-Band Signal		
4798	M1O	03-360/12:45:36.0		NOTE: Exit Solar Eclipse 9013		03-360/12:36:45.6
4799	M1O	03-360/12:51:50.1		NOTE: Enter Planetary Atmosphere 9013		03-360/12:42:59.7
4800	M1O	03-360/12:53:17.5		NOTE: Enter Earth Occultation 9013		03-360/12:44:27.1
4801	M1O	03-360/12:54:07.1		NOTE: North Pole Crossing 9013		03-360/12:45:16.7
4802	M1O	03-360/12:56:20.3		NOTE: Apoapsis 9013 -		03-360/12:47:29.8
4803	M1O	03-360/13:00:00.0	54	Begin Pre-Cal		
4804	M1O	03-360/13:00:00.0	54	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
4805	M1O	03-360/13:00:00.0	54	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
4806	M1O	03-360/13:00:00.0	54	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
4807	M1O	03-360/13:00:00.0	54	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
4808	M1O	03-360/13:00:00.0	54	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
4809	M1O	03-360/13:00:00.0	54	Config: RCV: Parms:		
4810	M1O	03-360/13:00:00.0	54	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
4811	M1O	03-360/13:00:00.0	54	Config: TGC: BAND=X, SR=221200.000000		
4812	M1O	03-360/13:00:00.0	54	Config: TXL		
4813	M1O	03-360/13:00:00.0	54	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
4814	M1O	03-360/13:00:00.0	54	Config: CMD		
4815	M1O	03-360/13:00:00.0	54	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
4816	M1O	03-360/13:05:29.4		NOTE: EXIT HGA KEEP OUT ZONE		
4817	M1O	03-360/13:10:48.0	43	NOTE: Below Uplink Interlock Limit		
4818	M1O	03-360/13:13:06.4		NOTE: Exit Earth Occultation 9013		03-360/13:04:15.9
4819	M1O	03-360/13:13:06.4	43	Acquisition Of X-Band Signal		
4820	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		
4821	M1O	03-360/13:14:34.9		NOTE: Exit Planetary Atmosphere 9013		03-360/13:05:44.3
4822	M1O	03-360/13:20:00.0	43	End Tracking		
4823	M1O	03-360/13:24:07.1		NOTE: Descending Node Crossing 9014		03-360/13:15:16.5
4824	M1O	03-360/13:35:00.0	43	End Post-Cal		
4825	M1O	03-360/13:53:29.3		NOTE: South Pole Crossing 9014		03-360/13:44:38.7
4826	M1O	03-360/13:54:55.0		NOTE: Periapsis 9014 ----------		03-360/13:46:04.4
4827	M1O	03-360/14:22:09.9		NOTE: Enter Solar Eclipse 9014		03-360/14:13:19.1
4828	M1O	03-360/14:22:48.0		NOTE: Ascending Node Crossing 9014		03-360/14:13:57.2
4829	M1O	03-360/14:29:35.4		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-360/14:20:44.6
4830	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
4831	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
4832	M1O	03-360/14:29:37.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-360/14:20:46.7
4833	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
4834	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
4835	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
4836	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
4837	M1O	03-360/14:30:00.0	54	Begin Tracking		
4838	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		
4839	M1O	03-360/14:30:00.4		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		03-360/14:21:09.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4840	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
4841	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		
4842	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
4843	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
4844	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		
4845	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
4846	M1O	03-360/14:41:44.7		SPAWN, Engine = 65535, Parameters = 3, 00:35:28.207, 1	dpt	03-360/14:32:54.0
4847	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
4848	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		
4849	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
4850	M1O	03-360/14:42:46.7		NOTE: ENTER HGA KEEP OUT ZONE		
4851	M1O	03-360/14:42:46.7	54	NOTE: Loss Of X-Band Signal		
4852	M1O	03-360/14:44:12.6		NOTE: Exit Solar Eclipse 9014		03-360/14:35:21.9
4853	M1O	03-360/14:50:26.0		NOTE: Enter Planetary Atmosphere 9014		03-360/14:41:35.2
4854	M1O	03-360/14:51:53.3		NOTE: Enter Earth Occultation 9014		03-360/14:43:02.5
4855	M1O	03-360/14:52:43.9		NOTE: North Pole Crossing 9014		03-360/14:43:53.1
4856	M1O	03-360/14:54:34.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4857	M1O	03-360/14:54:42.2		NOTE: Apoapsis 9014 -		03-360/14:45:51.4
4858	M1O	03-360/14:59:34.0	54	Range Modulation On: SUP=3.0dB		
4859	M1O	03-360/15:00:34.0	54	Begin Ranging Acquisition		
4860	M1O	03-360/15:04:06.8		NOTE: EXIT HGA KEEP OUT ZONE		
4861	M1O	03-360/15:11:43.9		NOTE: Exit Earth Occultation 9014		03-360/15:02:53.1
4862	M1O	03-360/15:11:43.9	54	Acquisition Of X-Band Signal		
4863	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		
4864	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		
4865	M1O	03-360/15:13:12.2		NOTE: Exit Planetary Atmosphere 9014		03-360/15:04:21.3
4866	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
4867	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		
4868	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
4869	M1O	03-360/15:22:43.5		NOTE: Descending Node Crossing 9015		03-360/15:13:52.6
4870	M1O	03-360/15:52:05.9		NOTE: South Pole Crossing 9015		03-360/15:43:14.9
4871	M1O	03-360/15:53:28.6		NOTE: Periapsis 9015 ----------		03-360/15:44:37.6
4872	M1O	03-360/16:08:40.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
4873	M1O	03-360/16:18:40.0	54	Range Modulation Off		
4874	M1O	03-360/16:20:46.3		NOTE: Enter Solar Eclipse 9015		03-360/16:11:55.2
4875	M1O	03-360/16:21:24.7		NOTE: Ascending Node Crossing 9015		03-360/16:12:33.6
4876	M1O	03-360/16:23:40.0	54	X-Band Transmitter Off		
4877	M1O	03-360/16:40:19.3		SPAWN, Engine = 65535, Parameters = 3, 00:35:32, 1	dpt	03-360/16:31:28.2
4878	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
4879	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		
4880	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
4881	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		
4882	M1O	03-360/16:41:23.1		NOTE: ENTER HGA KEEP OUT ZONE		
4883	M1O	03-360/16:41:23.1	54	NOTE: Loss Of X-Band Signal		
4884	M1O	03-360/16:42:51.7		NOTE: Exit Solar Eclipse 9015		03-360/16:34:00.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4885	M1O	03-360/16:48:56.9		NOTE: Enter Planetary Atmosphere 9015		03-360/16:40:05.7
4886	M1O	03-360/16:50:23.6		NOTE: Enter Earth Occultation 9015		03-360/16:41:32.5
4887	M1O	03-360/16:51:19.5		NOTE: North Pole Crossing 9015		03-360/16:42:28.4
4888	M1O	03-360/16:53:09.6		NOTE: Apoapsis 9015 -		03-360/16:44:18.5
4889	M1O	03-360/16:53:12.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
4890	M1O	03-360/16:58:12.0	54	Range Modulation On: SUP=3.0dB		
4891	M1O	03-360/16:59:12.0	54	Begin Ranging Acquisition		
4892	M1O	03-360/17:02:43.2		NOTE: EXIT HGA KEEP OUT ZONE		
4893	M1O	03-360/17:10:21.8		NOTE: Exit Earth Occultation 9015		03-360/17:01:30.5
4894	M1O	03-360/17:10:21.8	54	Acquisition Of X-Band Signal		
4895	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		
4896	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		
4897	M1O	03-360/17:11:49.5		NOTE: Exit Planetary Atmosphere 9015		03-360/17:02:58.2
4898	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
4899	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		
4900	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
4901	M1O	03-360/17:21:17.7		NOTE: Descending Node Crossing 9016		03-360/17:12:26.5
4902	M1O	03-360/17:50:40.0		NOTE: South Pole Crossing 9016		03-360/17:41:48.7
4903	M1O	03-360/17:52:05.7		NOTE: Periapsis 9016 ----------		03-360/17:43:14.4
4904	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
4905	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
4906	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		
4907	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
4908	M1O	03-360/18:05:53.5		CALL, Engine = , Parameters = 56	get_cmd_opt	03-360/17:57:02.1
4909	M1O	03-360/18:05:53.8		CALL, Engine = , Parameters = 360, 03, 056	bld_autosw	03-360/17:57:02.4
4910	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
4911	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
4912	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
4913	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
4914	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
4915	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
4916	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
4917	M1O	03-360/18:06:02.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass03_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/17:57:10.9
4918	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
4919	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
4920	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
4921	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
4922	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
4923	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
4924	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
4925	M1O	03-360/18:06:10.7		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-360/17:57:19.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy360_pass03_file08.dat, d:/dat/autoswitch.dat		
4926	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
4927	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
4928	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
4929	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
4930	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
4931	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
4932	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
4933	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
4934	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
4935	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
4936	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
4937	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
4938	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
4939	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
4940	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
4941	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
4942	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
4943	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
4944	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
4945	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
4946	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
4947	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
4948	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
4949	M1O	03-360/18:06:35.8		CALL, Engine = , Parameters = 56	get_apid	03-360/17:57:44.4
4950	M1O	03-360/18:06:36.9		CALL, Engine = , Parameters = 56	get_rcv_mode	03-360/17:57:45.5
4951	M1O	03-360/18:06:37.1		CALL, Engine = , Parameters = 56	get_dl_rate	03-360/17:57:45.7
4952	M1O	03-360/18:06:38.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-360/17:57:46.8
4953	M1O	03-360/18:06:39.4		CALL, Engine = , Parameters = 56	get_coding	03-360/17:57:48.0
4954	M1O	03-360/18:06:40.6		CALL, Engine = , Parameters = 56	get_xmt_mode	03-360/17:57:49.2
4955	M1O	03-360/18:06:41.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-360/17:57:50.4
4956	M1O	03-360/18:07:13.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
4957	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
4958	M1O	03-360/18:07:47.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-360/17:58:56.2
4959	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
4960	M1O	03-360/18:07:49.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-360/17:58:58.2
4961	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
4962	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
4963	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
4964	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4965	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
4966	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
4967	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
4968	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
4969	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
4970	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
4971	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
4972	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
4973	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
4974	M1O	03-360/18:17:13.0	54	Range Modulation Off		
4975	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
4976	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
4977	M1O	03-360/18:19:19.6		NOTE: Enter Solar Eclipse 9016		03-360/18:10:28.1
4978	M1O	03-360/18:19:58.7		NOTE: Ascending Node Crossing 9016		03-360/18:11:07.3
4979	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
4980	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
4981	M1O	03-360/18:22:13.0	54	X-Band Transmitter Off		
4982	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
4983	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
4984	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
4985	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
4986	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
4987	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
4988	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
4989	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
4990	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
4991	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
4992	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
4993	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
4994	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
4995	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
4996	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
4997	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
4998	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
4999	M1O	03-360/18:38:53.8		SPAWN, Engine = 65535, Parameters = 3, 00:35:32, 1	dpt	03-360/18:30:02.3
5000	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
5001	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
5002	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
5003	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
5004	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
5005	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		
5006	M1O	03-360/18:39:57.5		NOTE: ENTER HGA KEEP OUT ZONE		
5007	M1O	03-360/18:39:57.5	54	NOTE: Loss Of X-Band Signal		
5008	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
5009	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
5010	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
5011	M1O	03-360/18:40:04.8		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-360/18:31:13.3
5012	M1O	03-360/18:41:28.3		NOTE: Exit Solar Eclipse 9016		03-360/18:32:36.8
5013	M1O	03-360/18:47:25.6		NOTE: Enter Planetary Atmosphere 9016		03-360/18:38:34.0
5014	M1O	03-360/18:48:52.0		NOTE: Enter Earth Occultation 9016		03-360/18:40:00.4
5015	M1O	03-360/18:49:52.6		NOTE: North Pole Crossing 9016		03-360/18:41:01.1
5016	M1O	03-360/18:51:45.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5017	M1O	03-360/18:51:59.0		NOTE: Apoapsis 9016 -		03-360/18:43:07.4
5018	M1O	03-360/18:55:00.0	25	Begin Pre-Cal		
5019	M1O	03-360/18:55:00.0	25	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
5020	M1O	03-360/18:55:00.0	25	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
5021	M1O	03-360/18:55:00.0	25	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
5022	M1O	03-360/18:55:00.0	25	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
5023	M1O	03-360/18:55:00.0	25	At BOT: S/C Tlm Mode: BR=0.0, FL=10112, SC=375KHZ, MI=71.7		
5024	M1O	03-360/18:55:00.0	25	Config: RCV: Parms:		
5025	M1O	03-360/18:55:00.0	25	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
5026	M1O	03-360/18:55:00.0	25	Config: TGC: BAND=X, SR=0.000000		
5027	M1O	03-360/18:55:00.0	25	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
5028	M1O	03-360/18:56:45.0	54	Range Modulation On: SUP=3.0dB		
5029	M1O	03-360/18:57:45.0	54	Begin Ranging Acquisition		
5030	M1O	03-360/19:01:17.5		NOTE: EXIT HGA KEEP OUT ZONE		
5031	M1O	03-360/19:08:56.1		NOTE: Exit Earth Occultation 9016		03-360/19:00:04.6
5032	M1O	03-360/19:08:56.1	54	Acquisition Of X-Band Signal		
5033	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		
5034	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		
5035	M1O	03-360/19:10:23.5		NOTE: Exit Planetary Atmosphere 9016		03-360/19:01:31.9
5036	M1O	03-360/19:14:28.0		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	03-360/19:05:36.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
5037	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		
5038	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
5039	M1O	03-360/19:19:50.0		NOTE: Descending Node Crossing 9017		03-360/19:10:58.3
5040	M1O	03-360/19:49:11.4		NOTE: South Pole Crossing 9017		03-360/19:40:19.7
5041	M1O	03-360/19:50:33.7		NOTE: Periapsis 9017 ----------		03-360/19:41:41.9
5042	M1O	03-360/20:05:45.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
5043	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
5044	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
5045	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		
5046	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
5047	M1O	03-360/20:15:32.8		CALL, Engine = , Parameters = 56	get_cmd_opt	03-360/20:06:41.1
5048	M1O	03-360/20:15:33.1		CALL, Engine = , Parameters = 360, 04, 056	bld_autosw	03-360/20:06:41.4
5049	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
5050	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
5051	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
5052	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
5053	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
5054	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
5055	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
5056	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
5057	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
5058	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
5059	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
5060	M1O	03-360/20:15:45.0	54	Range Modulation Off		
5061	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
5062	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
5063	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
5064	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
5065	M1O	03-360/20:15:50.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy360_pass04_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-360/20:06:58.3
5066	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
5067	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
5068	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
5069	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
5070	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
5071	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
5072	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
5073	M1O	03-360/20:15:58.4		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-360/20:07:06.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy360_pass04_file12.dat, d:/dat/autoswitch.dat		
5074	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
5075	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
5076	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
5077	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
5078	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
5079	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
5080	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
5081	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
5082	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
5083	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
5084	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
5085	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
5086	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
5087	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
5088	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
5089	M1O	03-360/20:16:15.1		CALL, Engine = , Parameters = 56	get_apid	03-360/20:07:23.4
5090	M1O	03-360/20:16:16.2		CALL, Engine = , Parameters = 56	get_rcv_mode	03-360/20:07:24.5
5091	M1O	03-360/20:16:16.4		CALL, Engine = , Parameters = 56	get_dl_rate	03-360/20:07:24.7
5092	M1O	03-360/20:16:17.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-360/20:07:25.8
5093	M1O	03-360/20:16:18.7		CALL, Engine = , Parameters = 56	get_coding	03-360/20:07:27.0
5094	M1O	03-360/20:16:19.9		CALL, Engine = , Parameters = 56	get_xmt_mode	03-360/20:07:28.2
5095	M1O	03-360/20:16:21.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-360/20:07:29.4
5096	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
5097	M1O	03-360/20:17:27.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-360/20:08:35.2
5098	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
5099	M1O	03-360/20:17:29.0		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-360/20:08:37.2
5100	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
5101	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
5102	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
5103	M1O	03-360/20:17:49.9		NOTE: Enter Solar Eclipse 9017		03-360/20:08:58.1
5104	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
5105	M1O	03-360/20:18:29.4		NOTE: Ascending Node Crossing 9017		03-360/20:09:37.6
5106	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
5107	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
5108	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
5109	M1O	03-360/20:20:45.0	54	X-Band Transmitter Off		
5110	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
5111	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5112	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
5113	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
5114	M1O	03-360/20:25:00.0	25	Begin Tracking		
5115	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		
5116	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
5117	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
5118	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
5119	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
5120	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
5121	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		
5122	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		
5123	M1O	03-360/20:26:01.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-360/20:17:09.7
5124	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
5125	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		
5126	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		
5127	M1O	03-360/20:34:42.0	25	NOTE: Above Uplink Interlock Limit		
5128	M1O	03-360/20:37:26.1		SPAWN, Engine = 65535, Parameters = 3, 00:35:30, 1	dpt	03-360/20:28:34.3
5129	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
5130	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		
5131	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		
5132	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
5133	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		
5134	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		
5135	M1O	03-360/20:38:29.8		NOTE: ENTER HGA KEEP OUT ZONE		
5136	M1O	03-360/20:38:29.8	25	NOTE: Loss Of X-Band Signal		
5137	M1O	03-360/20:38:29.8	54	NOTE: Loss Of X-Band Signal		
5138	M1O	03-360/20:39:58.0		NOTE: Exit Solar Eclipse 9017		03-360/20:31:06.2
5139	M1O	03-360/20:45:57.6		NOTE: Enter Planetary Atmosphere 9017		03-360/20:37:05.7
5140	M1O	03-360/20:47:24.1		NOTE: Enter Earth Occultation 9017		03-360/20:38:32.2
5141	M1O	03-360/20:48:23.9		NOTE: North Pole Crossing 9017		03-360/20:39:32.0
5142	M1O	03-360/20:50:15.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5143	M1O	03-360/20:50:22.6		NOTE: Apoapsis 9017 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5154	M1O	03-360/21:08:54.2		NOTE: Exit Planetary Atmosphere 9017		03-360/21:00:02.3
5155	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
5156	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		
5157	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		
5158	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
5159	M1O	03-360/21:18:21.7		NOTE: Descending Node Crossing 9018		03-360/21:09:29.7
5160	M1O	03-360/21:40:00.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
5161	M1O	03-360/21:42:15.8	54	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
5162	M1O	03-360/21:47:42.9		NOTE: South Pole Crossing 9018		03-360/21:38:50.8
5163	M1O	03-360/21:48:44.0		NOTE: Periapsis 9018 ----------		03-360/21:39:51.9
5164	M1O	03-360/21:50:00.0	54	Range Modulation Off		
5165	M1O	03-360/21:55:00.0	54	X-Band Transmitter Off		
5166	M1O	03-360/22:00:00.0	54	End Tracking		
5167	M1O	03-360/22:11:41.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-360/22:02:49.3
5168	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
5169	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		
5170	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
5171	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		
5172	M1O	03-360/22:15:00.0	54	End Post-Cal		
5173	M1O	03-360/22:16:23.7		NOTE: Enter Solar Eclipse 9018		03-360/22:07:31.5
5174	M1O	03-360/22:17:01.5		NOTE: Ascending Node Crossing 9018		03-360/22:08:09.4
5175	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
5176	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		
5177	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
5178	M1O	03-360/22:35:59.2		SPAWN, Engine = 65535, Parameters = 3, 00:34:55.259, 1	dpt	03-360/22:27:07.0
5179	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
5180	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		
5181	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
5182	M1O	03-360/22:37:01.2		NOTE: ENTER HGA KEEP OUT ZONE		
5183	M1O	03-360/22:37:01.2	25	NOTE: Loss Of X-Band Signal		
5184	M1O	03-360/22:38:25.7		NOTE: Exit Solar Eclipse 9018		03-360/22:29:33.5
5185	M1O	03-360/22:44:35.6		NOTE: Enter Planetary Atmosphere 9018		03-360/22:35:43.3
5186	M1O	03-360/22:46:02.7		NOTE: Enter Earth Occultation 9018		03-360/22:37:10.4
5187	M1O	03-360/22:46:57.0		NOTE: North Pole Crossing 9018		03-360/22:38:04.8
5188	M1O	03-360/22:48:35.9		NOTE: Apoapsis 9018 -		03-360/22:39:43.7
5189	M1O	03-360/22:58:21.2		NOTE: EXIT HGA KEEP OUT ZONE		
5190	M1O	03-360/23:05:56.5		NOTE: Exit Earth Occultation 9018		03-360/22:57:04.2
5191	M1O	03-360/23:05:56.5	25	Acquisition Of X-Band Signal		
5192	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		
5193	M1O	03-360/23:07:24.6		NOTE: Exit Planetary Atmosphere 9018		03-360/22:58:32.3
5194	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
5195	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		
5196	M1O	03-360/23:10:57.6		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	03-360/23:02:05.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
5197	M1O	03-360/23:16:55.6		NOTE: Descending Node Crossing 9019		03-360/23:08:03.2
5198	M1O	03-360/23:46:18.1		NOTE: South Pole Crossing 9019		03-360/23:37:25.6
5199	M1O	03-360/23:47:25.0		NOTE: Periapsis 9019 ----------		03-360/23:38:32.5
5200	M1O	03-361/00:00:00.0		Light Time: OWLT = 08:52, RTLT = 17:45		
5201	M1O	03-361/00:15:00.8		NOTE: Enter Solar Eclipse 9019		03-361/00:06:08.3
5202	M1O	03-361/00:15:37.8		NOTE: Ascending Node Crossing 9019		03-361/00:06:45.3
5203	M1O	03-361/00:34:33.5		SPAWN, Engine = 65535, Parameters = 3, 00:34:53.975, 1	dpt	03-361/00:25:41.0
5204	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
5205	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		
5206	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
5207	M1O	03-361/00:35:35.5		NOTE: ENTER HGA KEEP OUT ZONE		
5208	M1O	03-361/00:35:35.5	25	NOTE: Loss Of X-Band Signal		
5209	M1O	03-361/00:36:59.1		NOTE: Exit Solar Eclipse 9019		03-361/00:28:06.5
5210	M1O	03-361/00:43:13.9		NOTE: Enter Planetary Atmosphere 9019		03-361/00:34:21.3
5211	M1O	03-361/00:44:41.4		NOTE: Enter Earth Occultation 9019		03-361/00:35:48.7
5212	M1O	03-361/00:45:33.1		NOTE: North Pole Crossing 9019		03-361/00:36:40.4
5213	M1O	03-361/00:47:30.3		NOTE: Apoapsis 9019 -		03-361/00:38:37.7
5214	M1O	03-361/00:56:55.6		NOTE: EXIT HGA KEEP OUT ZONE		
5215	M1O	03-361/01:04:29.6		NOTE: Exit Earth Occultation 9019		03-361/00:55:36.9
5216	M1O	03-361/01:04:29.6	25	Acquisition Of X-Band Signal		
5217	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		
5218	M1O	03-361/01:05:58.0		NOTE: Exit Planetary Atmosphere 9019		03-361/00:57:05.3
5219	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
5220	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		
5221	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
5222	M1O	03-361/01:15:31.7		NOTE: Descending Node Crossing 9020		03-361/01:06:39.0
5223	M1O	03-361/01:44:55.3		NOTE: South Pole Crossing 9020		03-361/01:36:02.5
5224	M1O	03-361/01:46:31.0		NOTE: Periapsis 9020 ----------		03-361/01:37:38.2
5225	M1O	03-361/02:13:36.9		NOTE: Enter Solar Eclipse 9020		03-361/02:04:44.0
5226	M1O	03-361/02:14:15.2		NOTE: Ascending Node Crossing 9020		03-361/02:05:22.3
5227	M1O	03-361/02:33:09.9		SPAWN, Engine = 65535, Parameters = 3, 00:34:52.771, 1	dpt	03-361/02:24:17.0
5228	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
5229	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		
5230	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
5231	M1O	03-361/02:34:11.9		NOTE: ENTER HGA KEEP OUT ZONE		
5232	M1O	03-361/02:34:11.9	25	NOTE: Loss Of X-Band Signal		
5233	M1O	03-361/02:35:35.9		NOTE: Exit Solar Eclipse 9020		03-361/02:26:43.0
5234	M1O	03-361/02:41:50.5		NOTE: Enter Planetary Atmosphere 9020		03-361/02:32:57.5
5235	M1O	03-361/02:43:18.1		NOTE: Enter Earth Occultation 9020		03-361/02:34:25.2
5236	M1O	03-361/02:44:09.9		NOTE: North Pole Crossing 9020		03-361/02:35:16.9
5237	M1O	03-361/02:46:44.5		NOTE: Apoapsis 9020 -		03-361/02:37:51.5
5238	M1O	03-361/02:55:32.0		NOTE: EXIT HGA KEEP OUT ZONE		
5239	M1O	03-361/03:03:04.8		NOTE: Exit Earth Occultation 9020		03-361/02:54:11.7
5240	M1O	03-361/03:03:04.8	25	Acquisition Of X-Band Signal		
5241	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		
5242	M1O	03-361/03:04:33.3		NOTE: Exit Planetary Atmosphere 9020		03-361/02:55:40.2
5243	M1O	03-361/03:08:04.9		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	03-361/02:59:11.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
5244	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		
5245	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
5246	M1O	03-361/03:14:08.7		NOTE: Descending Node Crossing 9021		03-361/03:05:15.6
5247	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
5248	M1O	03-361/03:27:09.2		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-361/03:18:16.1
5249	M1O	03-361/03:27:10.2		Forces a desaturation of the reaction wheels.	RW_DESAT	03-361/03:18:17.1
5250	M1O	03-361/03:30:32.1		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-361/03:21:39.0
5251	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
5252	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
5253	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
5254	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
5255	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
5256	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
5257	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
5258	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		
5259	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
5260	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		
5261	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
5262	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
5263	M1O	03-361/03:38:10.9	25	D/L RF Warning: SC antenna change - expect signal level variation		
5264	M1O	03-361/03:38:11.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-361/03:29:18.8
5265	M1O	03-361/03:38:40.2		CALL, Engine = , Parameters = FALSE	park_hga	03-361/03:29:47.1
5266	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
5267	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
5268	M1O	03-361/03:38:42.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-361/03:29:49.1
5269	M1O	03-361/03:38:42.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-361/03:29:49.1
5270	M1O	03-361/03:38:42.2		NOTE: START HGA PARK		
5271	M1O	03-361/03:38:42.2	25	NOTE: Loss Of X-Band Signal		
5272	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
5273	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
5274	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
5275	M1O	03-361/03:43:32.1		NOTE: South Pole Crossing 9021		03-361/03:34:39.0
5276	M1O	03-361/03:45:28.1		NOTE: Periapsis 9021 ----------		03-361/03:36:34.9
5277	M1O	03-361/03:46:44.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-361/03:37:51.1
5278	M1O	03-361/03:46:44.2		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-361/03:37:51.1
5279	M1O	03-361/04:12:10.8		NOTE: Enter Solar Eclipse 9021		03-361/04:03:17.6
5280	M1O	03-361/04:12:51.2		NOTE: Ascending Node Crossing 9021		03-361/04:03:57.9
5281	M1O	03-361/04:16:44.2		GV: GV_DESAT_ACTIVE = 1		03-361/04:07:51.0
5282	M1O	03-361/04:16:45.2		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	03-361/04:07:52.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_desat_start.cfg		
5283	M1O	03-361/04:16:45.2		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-361/04:07:52.0
5284	M1O	03-361/04:26:44.2		GV: GV_DESAT_ACTIVE = 0		03-361/04:17:51.0
5285	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
5286	M1O	03-361/04:26:46.2		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-361/04:17:53.0
5287	M1O	03-361/04:26:47.2		CALL, Engine = , Parameters =	unpark_hga	03-361/04:17:54.0
5288	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
5289	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
5290	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
5291	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
5292	M1O	03-361/04:32:48.3		NOTE: ENTER HGA KEEP OUT ZONE		
5293	M1O	03-361/04:34:12.9		NOTE: Exit Solar Eclipse 9021		03-361/04:25:19.6
5294	M1O	03-361/04:35:19.3		NOTE: EXIT HGA PARK		
5295	M1O	03-361/04:40:24.7		NOTE: Enter Planetary Atmosphere 9021		03-361/04:31:31.4
5296	M1O	03-361/04:41:52.2		NOTE: Enter Earth Occultation 9021		03-361/04:32:58.9
5297	M1O	03-361/04:42:45.9		NOTE: North Pole Crossing 9021		03-361/04:33:52.6
5298	M1O	03-361/04:45:30.4		NOTE: Apoapsis 9021 -		03-361/04:36:37.1
5299	M1O	03-361/04:54:08.3		NOTE: EXIT HGA KEEP OUT ZONE		
5300	M1O	03-361/05:01:16.4		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-361/04:52:23.1
5301	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
5302	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
5303	M1O	03-361/05:01:18.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-361/04:52:25.2
5304	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
5305	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
5306	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
5307	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
5308	M1O	03-361/05:01:41.5		NOTE: Exit Earth Occultation 9021		03-361/04:52:48.1
5309	M1O	03-361/05:01:41.5	25	Acquisition Of X-Band Signal		
5310	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		
5311	M1O	03-361/05:03:09.9		NOTE: Exit Planetary Atmosphere 9021		03-361/04:54:16.5
5312	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
5313	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
5314	M1O	03-361/05:05:21.5		CALL, Engine = , Parameters = 56	get_cmd_opt	03-361/04:56:28.1
5315	M1O	03-361/05:05:21.8		CALL, Engine = , Parameters = 361, 01, 056	bld_autosw	03-361/04:56:28.4
5316	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
5317	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
5318	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
5319	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
5320	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
5321	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
5322	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5323	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
5324	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
5325	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
5326	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
5327	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
5328	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
5329	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
5330	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
5331	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
5332	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
5333	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
5334	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
5335	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
5336	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
5337	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
5338	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
5339	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
5340	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
5341	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
5342	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
5343	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
5344	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
5345	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
5346	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
5347	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
5348	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
5349	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
5350	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
5351	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
5352	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
5353	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
5354	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
5355	M1O	03-361/05:06:03.8		CALL, Engine = , Parameters = 56	get_apid	03-361/04:57:10.4
5356	M1O	03-361/05:06:04.9		CALL, Engine = , Parameters = 56	get_rcv_mode	03-361/04:57:11.5
5357	M1O	03-361/05:06:05.1		CALL, Engine = , Parameters = 56	get_dl_rate	03-361/04:57:11.7
5358	M1O	03-361/05:06:06.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-361/04:57:12.8
5359	M1O	03-361/05:06:07.4		CALL, Engine = , Parameters = 56	get_coding	03-361/04:57:14.0
5360	M1O	03-361/05:06:08.6		CALL, Engine = , Parameters = 56	get_xmt_mode	03-361/04:57:15.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5361	M1O	03-361/05:06:09.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-361/04:57:16.4
5362	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
5363	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
5364	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		
5365	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
5366	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		
5367	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
5368	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
5369	M1O	03-361/05:07:15.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-361/04:58:22.2
5370	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
5371	M1O	03-361/05:07:17.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-361/04:58:24.2
5372	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
5373	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
5374	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
5375	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
5376	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
5377	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
5378	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
5379	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
5380	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
5381	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
5382	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
5383	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
5384	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		
5385	M1O	03-361/05:11:55.6		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-361/05:03:02.2
5386	M1O	03-361/05:12:44.9		NOTE: Descending Node Crossing 9022		03-361/05:03:51.5
5387	M1O	03-361/05:15:00.0	43	Begin Pre-Cal		
5388	M1O	03-361/05:15:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
5389	M1O	03-361/05:15:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
5390	M1O	03-361/05:15:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
5391	M1O	03-361/05:15:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
5392	M1O	03-361/05:15:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
5393	M1O	03-361/05:15:00.0	43	Config: RCV: Parms:		
5394	M1O	03-361/05:15:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
5395	M1O	03-361/05:15:00.0	43	Config: TGC: BAND=X, SR=79632.000000		
5396	M1O	03-361/05:15:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
5397	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
5398	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		
5399	M1O	03-361/05:42:07.1		NOTE: South Pole Crossing 9022		03-361/05:33:13.6
5400	M1O	03-361/05:43:58.9		NOTE: Periapsis 9022 ----------		03-361/05:35:05.3
5401	M1O	03-361/06:10:42.6		NOTE: Enter Solar Eclipse 9022		03-361/06:01:49.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5402	M1O	03-361/06:11:24.8		NOTE: Ascending Node Crossing 9022		03-361/06:02:31.2
5403	M1O	03-361/06:30:22.6		SPAWN, Engine = 65535, Parameters = 3, 00:34:52.476, 1	dpt	03-361/06:21:29.0
5404	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
5405	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		
5406	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
5407	M1O	03-361/06:31:24.6		NOTE: ENTER HGA KEEP OUT ZONE		
5408	M1O	03-361/06:31:24.6	25	NOTE: Loss Of X-Band Signal		
5409	M1O	03-361/06:32:48.5		NOTE: Exit Solar Eclipse 9022		03-361/06:23:54.8
5410	M1O	03-361/06:38:54.8		NOTE: Enter Planetary Atmosphere 9022		03-361/06:30:01.1
5411	M1O	03-361/06:40:21.9		NOTE: Enter Earth Occultation 9022		03-361/06:31:28.2
5412	M1O	03-361/06:41:19.4		NOTE: North Pole Crossing 9022		03-361/06:32:25.7
5413	M1O	03-361/06:43:45.9		NOTE: Apoapsis 9022 -		03-361/06:34:52.2
5414	M1O	03-361/06:45:00.0	43	Begin Tracking		
5415	M1O	03-361/06:45:00.1		NOTE: Changing to 70M downlink rate: 110600_BPS		03-361/06:36:06.4
5416	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
5417	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
5418	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
5419	M1O	03-361/06:49:25.8		CALL, Engine = , Parameters = 56	get_cmd_opt	03-361/06:40:32.1
5420	M1O	03-361/06:49:26.1		CALL, Engine = , Parameters = 361, 02, 056	bld_autosw	03-361/06:40:32.4
5421	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
5422	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
5423	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
5424	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
5425	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
5426	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
5427	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
5428	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
5429	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
5430	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
5431	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
5432	M1O	03-361/06:49:38.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass02_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/06:40:45.1
5433	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
5434	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
5435	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
5436	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
5437	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
5438	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
5439	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
5440	M1O	03-361/06:49:47.2		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-361/06:40:53.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy361_pass02_file10.dat, d:/dat/autoswitch.dat		
5441	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
5442	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
5443	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
5444	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
5445	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
5446	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
5447	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
5448	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
5449	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
5450	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
5451	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
5452	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
5453	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
5454	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
5455	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
5456	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
5457	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
5458	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
5459	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
5460	M1O	03-361/06:50:08.1		CALL, Engine = , Parameters = 56	get_apid	03-361/06:41:14.4
5461	M1O	03-361/06:50:09.2		CALL, Engine = , Parameters = 56	get_rcv_mode	03-361/06:41:15.5
5462	M1O	03-361/06:50:09.4		CALL, Engine = , Parameters = 56	get_dl_rate	03-361/06:41:15.7
5463	M1O	03-361/06:50:10.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-361/06:41:16.8
5464	M1O	03-361/06:50:11.7		CALL, Engine = , Parameters = 56	get_coding	03-361/06:41:18.0
5465	M1O	03-361/06:50:12.9		CALL, Engine = , Parameters = 56	get_xmt_mode	03-361/06:41:19.2
5466	M1O	03-361/06:50:14.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-361/06:41:20.4
5467	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
5468	M1O	03-361/06:51:19.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-361/06:42:26.2
5469	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
5470	M1O	03-361/06:51:21.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-361/06:42:28.2
5471	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
5472	M1O	03-361/06:51:23.9		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-361/06:42:30.2
5473	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
5474	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
5475	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
5476	M1O	03-361/06:52:44.7		NOTE: EXIT HGA KEEP OUT ZONE		
5477	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
5478	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5479	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
5480	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
5481	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
5482	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
5483	M1O	03-361/07:00:17.2		NOTE: Exit Earth Occultation 9022		03-361/06:51:23.4
5484	M1O	03-361/07:00:17.2	25	Acquisition Of X-Band Signal		
5485	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		
5486	M1O	03-361/07:00:17.2	43	Acquisition Of X-Band Signal		
5487	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		
5488	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
5489	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
5490	M1O	03-361/07:01:45.3		NOTE: Exit Planetary Atmosphere 9022		03-361/06:52:51.5
5491	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
5492	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
5493	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
5494	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
5495	M1O	03-361/07:05:12.0	25	NOTE: Below Uplink Interlock Limit		
5496	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
5497	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		
5498	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		
5499	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
5500	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		
5501	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		
5502	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
5503	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
5504	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
5505	M1O	03-361/07:08:25.9		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-361/06:59:32.2
5506	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
5507	M1O	03-361/07:08:53.7		SPAWN, Engine = 65535, Parameters =	scdiag	03-361/07:00:00.0
5508	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
5509	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
5510	M1O	03-361/07:09:56.7		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-361/07:01:03.0
5511	M1O	03-361/07:09:56.9		NOTE: Start Block fsw_diag		03-361/07:01:03.2
5512	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
5513	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,	FSW_VX_CMD	03-361/07:01:05.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]		
5514	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
5515	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
5516	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
5517	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
5518	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
5519	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
5520	M1O	03-361/07:11:17.9		NOTE: Descending Node Crossing 9023		03-361/07:02:24.1
5521	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
5522	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
5523	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
5524	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
5525	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
5526	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
5527	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
5528	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
5529	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
5530	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
5531	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
5532	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
5533	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
5534	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
5535	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
5536	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
5537	M1O	03-361/07:13:07.9		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-361/07:04:14.2
5538	M1O	03-361/07:13:18.9		NOTE: End Block fsw_diag.mod		03-361/07:04:25.2
5539	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
5540	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
5541	M1O	03-361/07:15:00.0	25	End Tracking		
5542	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
5543	M1O	03-361/07:16:27.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-361/07:07:33.2
5544	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
5545	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
5546	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
5547	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
5548	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
5549	M1O	03-361/07:22:27.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	03-361/07:13:33.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				BYPASS_COD, PSK		
5550	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
5551	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
5552	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
5553	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
5554	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
5555	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		
5556	M1O	03-361/07:23:37.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-361/07:14:43.3
5557	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
5558	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		
5559	M1O	03-361/07:30:00.0	25	End Post-Cal		
5560	M1O	03-361/07:40:39.1		NOTE: South Pole Crossing 9023		03-361/07:31:45.2
5561	M1O	03-361/07:42:08.6		NOTE: Periapsis 9023 ----------		03-361/07:33:14.7
5562	M1O	03-361/08:09:14.6		NOTE: Enter Solar Eclipse 9023		03-361/08:00:20.6
5563	M1O	03-361/08:09:56.6		NOTE: Ascending Node Crossing 9023		03-361/08:01:02.6
5564	M1O	03-361/08:28:56.0		SPAWN, Engine = 65535, Parameters = 3, 00:34:50.464, 1	dpt	03-361/08:20:02.0
5565	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
5566	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		
5567	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
5568	M1O	03-361/08:29:58.0		NOTE: ENTER HGA KEEP OUT ZONE		
5569	M1O	03-361/08:29:58.0	43	NOTE: Loss Of X-Band Signal		
5570	M1O	03-361/08:31:20.9		NOTE: Exit Solar Eclipse 9023		03-361/08:22:26.9
5571	M1O	03-361/08:37:23.9		NOTE: Enter Planetary Atmosphere 9023		03-361/08:28:29.9
5572	M1O	03-361/08:38:50.9		NOTE: Enter Earth Occultation 9023		03-361/08:29:56.8
5573	M1O	03-361/08:39:50.6		NOTE: North Pole Crossing 9023		03-361/08:30:56.5
5574	M1O	03-361/08:42:05.7		NOTE: Apoapsis 9023 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 5, 2003-359T10:11:24.100, 2003-361T10:11:24.100		
5592	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
5593	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
5594	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
5595	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
5596	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		
5597	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
5598	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		
5599	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
5600	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
5601	M1O	03-361/10:27:57.1	43	D/L RF Warning: SC antenna change - expect signal level variation		
5602	M1O	03-361/10:27:58.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-361/10:19:03.8
5603	M1O	03-361/10:28:28.3		NOTE: ENTER HGA KEEP OUT ZONE		
5604	M1O	03-361/10:28:28.3	43	NOTE: Loss Of X-Band Signal		
5605	M1O	03-361/10:29:49.1		NOTE: Exit Solar Eclipse 9024		03-361/10:20:54.7
5606	M1O	03-361/10:30:00.0	43	End Tracking		
5607	M1O	03-361/10:36:00.9		NOTE: Enter Planetary Atmosphere 9024		03-361/10:27:06.5
5608	M1O	03-361/10:37:28.5		NOTE: Enter Earth Occultation 9024		03-361/10:28:34.1
5609	M1O	03-361/10:38:23.2		NOTE: North Pole Crossing 9024		03-361/10:29:28.8
5610	M1O	03-361/10:40:45.7		NOTE: Apoapsis 9024 -		03-361/10:31:51.3
5611	M1O	03-361/10:45:00.0	43	End Post-Cal		
5612	M1O	03-361/10:49:48.4		NOTE: EXIT HGA KEEP OUT ZONE		
5613	M1O	03-361/10:57:17.1		NOTE: Exit Earth Occultation 9024		03-361/10:48:22.6
5614	M1O	03-361/10:58:45.6		NOTE: Exit Planetary Atmosphere 9024		03-361/10:49:51.2
5615	M1O	03-361/11:08:21.4		NOTE: Descending Node Crossing 9025		03-361/10:59:26.9
5616	M1O	03-361/11:37:43.9		NOTE: South Pole Crossing 9025		03-361/11:28:49.3
5617	M1O	03-361/11:39:09.5		NOTE: Periapsis 9025 ----------		03-361/11:30:14.9
5618	M1O	03-361/12:06:22.4		NOTE: Enter Solar Eclipse 9025		03-361/11:57:27.7
5619	M1O	03-361/12:07:03.1		NOTE: Ascending Node Crossing 9025		03-361/11:58:08.4
5620	M1O	03-361/12:27:01.7		NOTE: ENTER HGA KEEP OUT ZONE		
5621	M1O	03-361/12:28:19.0		NOTE: Exit Solar Eclipse 9025		03-361/12:19:24.2
5622	M1O	03-361/12:34:42.1		NOTE: Enter Planetary Atmosphere 9025		03-361/12:25:47.3
5623	M1O	03-361/12:36:10.4		NOTE: Enter Earth Occultation 9025		03-361/12:27:15.6
5624	M1O	03-361/12:36:58.9		NOTE: North Pole Crossing 9025		03-361/12:28:04.1
5625	M1O	03-361/12:39:18.5		NOTE: Apoapsis 9025 -		03-361/12:30:23.8
5626	M1O	03-361/12:48:21.8		NOTE: EXIT HGA KEEP OUT ZONE		
5627	M1O	03-361/12:55:49.3		NOTE: Exit Earth Occultation 9025		03-361/12:46:54.5
5628	M1O	03-361/12:57:18.5		NOTE: Exit Planetary Atmosphere 9025		03-361/12:48:23.7
5629	M1O	03-361/13:06:58.5		NOTE: Descending Node Crossing 9026		03-361/12:58:03.6
5630	M1O	03-361/13:36:20.9		NOTE: South Pole Crossing 9026		03-361/13:27:25.9
5631	M1O	03-361/13:37:50.0		NOTE: Periapsis 9026 ----------		03-361/13:28:55.1
5632	M1O	03-361/14:04:58.3		NOTE: Enter Solar Eclipse 9026		03-361/13:56:03.2
5633	M1O	03-361/14:05:00.0	63	Begin Pre-Cal		
5634	M1O	03-361/14:05:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
5635	M1O	03-361/14:05:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
5636	M1O	03-361/14:05:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
5637	M1O	03-361/14:05:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
5638	M1O	03-361/14:05:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5639	M1O	03-361/14:05:00.0	63	Config: RCV: Parms:		
5640	M1O	03-361/14:05:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
5641	M1O	03-361/14:05:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
5642	M1O	03-361/14:05:00.0	63	Config: TXL		
5643	M1O	03-361/14:05:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
5644	M1O	03-361/14:05:00.0	63	Config: CMD		
5645	M1O	03-361/14:05:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
5646	M1O	03-361/14:05:39.6		NOTE: Ascending Node Crossing 9026		03-361/13:56:44.6
5647	M1O	03-361/14:25:38.1		NOTE: ENTER HGA KEEP OUT ZONE		
5648	M1O	03-361/14:26:53.6		NOTE: Exit Solar Eclipse 9026		03-361/14:17:58.5
5649	M1O	03-361/14:33:20.4		NOTE: Enter Planetary Atmosphere 9026		03-361/14:24:25.3
5650	M1O	03-361/14:34:48.8		NOTE: Enter Earth Occultation 9026		03-361/14:25:53.7
5651	M1O	03-361/14:35:35.8		NOTE: North Pole Crossing 9026		03-361/14:26:40.6
5652	M1O	03-361/14:37:45.2		NOTE: Apoapsis 9026 -		03-361/14:28:50.1
5653	M1O	03-361/14:46:58.1		NOTE: EXIT HGA KEEP OUT ZONE		
5654	M1O	03-361/14:54:25.5		NOTE: Exit Earth Occultation 9026		03-361/14:45:30.3
5655	M1O	03-361/14:55:54.9		NOTE: Exit Planetary Atmosphere 9026		03-361/14:46:59.7
5656	M1O	03-361/15:04:35.5		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-361/14:55:40.3
5657	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
5658	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
5659	M1O	03-361/15:04:37.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-361/14:55:42.4
5660	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
5661	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
5662	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
5663	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
5664	M1O	03-361/15:05:00.0	63	Begin Tracking		
5665	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		
5666	M1O	03-361/15:05:35.7		NOTE: Descending Node Crossing 9027		03-361/14:56:40.5
5667	M1O	03-361/15:06:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5668	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
5669	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
5670	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		
5671	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
5672	M1O	03-361/15:11:00.0	63	Range Modulation On: SUP=3.0dB		
5673	M1O	03-361/15:12:00.0	63	Begin Ranging Acquisition		
5674	M1O	03-361/15:22:47.8		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-361/15:13:52.5
5675	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
5676	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		
5677	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
5678	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		
5679	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
5680	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		
5681	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5682	M1O	03-361/15:34:58.1		NOTE: South Pole Crossing 9027		03-361/15:26:02.8
5683	M1O	03-361/15:36:22.9		NOTE: Periapsis 9027 ----------		03-361/15:27:27.5
5684	M1O	03-361/15:51:24.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
5685	M1O	03-361/16:01:24.0	63	Range Modulation Off		
5686	M1O	03-361/16:03:35.2		NOTE: Enter Solar Eclipse 9027		03-361/15:54:39.7
5687	M1O	03-361/16:04:16.7		NOTE: Ascending Node Crossing 9027		03-361/15:55:21.3
5688	M1O	03-361/16:06:24.0	63	X-Band Transmitter Off		
5689	M1O	03-361/16:23:12.0		SPAWN, Engine = 65535, Parameters = 3, 00:35:21, 1	dpt	03-361/16:14:16.5
5690	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
5691	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		
5692	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
5693	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		
5694	M1O	03-361/16:24:15.4		NOTE: ENTER HGA KEEP OUT ZONE		
5695	M1O	03-361/16:24:15.4	63	NOTE: Loss Of X-Band Signal		
5696	M1O	03-361/16:25:31.6		NOTE: Exit Solar Eclipse 9027		03-361/16:16:36.1
5697	M1O	03-361/16:31:54.0		NOTE: Enter Planetary Atmosphere 9027		03-361/16:22:58.5
5698	M1O	03-361/16:33:22.0		NOTE: Enter Earth Occultation 9027		03-361/16:24:26.5
5699	M1O	03-361/16:34:12.2		NOTE: North Pole Crossing 9027		03-361/16:25:16.7
5700	M1O	03-361/16:35:45.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5701	M1O	03-361/16:36:08.0		NOTE: Apoapsis 9027 -		03-361/16:27:12.5
5702	M1O	03-361/16:40:45.0	63	Range Modulation On: SUP=3.0dB		
5703	M1O	03-361/16:41:45.0	63	Begin Ranging Acquisition		
5704	M1O	03-361/16:45:35.5		NOTE: EXIT HGA KEEP OUT ZONE		
5705	M1O	03-361/16:53:03.5		NOTE: Exit Earth Occultation 9027		03-361/16:44:07.9
5706	M1O	03-361/16:53:03.5	63	Acquisition Of X-Band Signal		
5707	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		
5708	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		
5709	M1O	03-361/16:54:32.5		NOTE: Exit Planetary Atmosphere 9027		03-361/16:45:36.9
5710	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
5711	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		
5712	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
5713	M1O	03-361/17:04:11.3		NOTE: Descending Node Crossing 9028		03-361/16:55:15.7
5714	M1O	03-361/17:33:33.6		NOTE: South Pole Crossing 9028		03-361/17:24:37.9
5715	M1O	03-361/17:35:02.0		NOTE: Periapsis 9028 ----------		03-361/17:26:06.3
5716	M1O	03-361/17:49:58.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
5717	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
5718	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
5719	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		
5720	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
5721	M1O	03-361/17:57:40.8		CALL, Engine = , Parameters = 56	get_cmd_opt	03-361/17:48:45.1
5722	M1O	03-361/17:57:41.1		CALL, Engine = , Parameters = 361, 03, 056	bld_autosw	03-361/17:48:45.4
5723	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
5724	M1O	03-361/17:57:43.3		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-361/17:48:47.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy361_pass03_file01.dat, d:/dat/autoswitch.dat		
5725	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
5726	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
5727	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
5728	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
5729	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
5730	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
5731	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
5732	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
5733	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
5734	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
5735	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
5736	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
5737	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
5738	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
5739	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
5740	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
5741	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
5742	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
5743	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
5744	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
5745	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
5746	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
5747	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
5748	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
5749	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
5750	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
5751	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
5752	M1O	03-361/17:58:12.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy361_pass03_file15.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-361/17:49:17.0
5753	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
5754	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
5755	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
5756	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
5757	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
5758	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
5759	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
5760	M1O	03-361/17:58:21.1		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-361/17:49:25.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy361_pass03_file19.dat, d:/dat/autoswitch.dat		
5761	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
5762	M1O	03-361/17:58:23.1		CALL, Engine = , Parameters = 56	get_apid	03-361/17:49:27.4
5763	M1O	03-361/17:58:24.2		CALL, Engine = , Parameters = 56	get_rcv_mode	03-361/17:49:28.5
5764	M1O	03-361/17:58:24.4		CALL, Engine = , Parameters = 56	get_dl_rate	03-361/17:49:28.7
5765	M1O	03-361/17:58:25.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-361/17:49:29.8
5766	M1O	03-361/17:58:26.7		CALL, Engine = , Parameters = 56	get_coding	03-361/17:49:31.0
5767	M1O	03-361/17:58:27.9		CALL, Engine = , Parameters = 56	get_xmt_mode	03-361/17:49:32.2
5768	M1O	03-361/17:58:29.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-361/17:49:33.4
5769	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
5770	M1O	03-361/17:59:34.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-361/17:50:39.2
5771	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
5772	M1O	03-361/17:59:36.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-361/17:50:41.2
5773	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
5774	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
5775	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
5776	M1O	03-361/17:59:58.0	63	Range Modulation Off		
5777	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
5778	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
5779	M1O	03-361/18:02:09.9		NOTE: Enter Solar Eclipse 9028		03-361/17:53:14.2
5780	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
5781	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
5782	M1O	03-361/18:02:52.2		NOTE: Ascending Node Crossing 9028		03-361/17:53:56.4
5783	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
5784	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
5785	M1O	03-361/18:04:58.0	63	X-Band Transmitter Off		
5786	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
5787	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
5788	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
5789	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
5790	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
5791	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
5792	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
5793	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
5794	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
5795	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5796	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
5797	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
5798	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
5799	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
5800	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
5801	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		
5802	M1O	03-361/18:15:53.6		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-361/18:06:57.8
5803	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
5804	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		
5805	M1O	03-361/18:21:47.5		SPAWN, Engine = 65535, Parameters = 3, 00:35:22, 1	dpt	03-361/18:12:51.6
5806	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
5807	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		
5808	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
5809	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		
5810	M1O	03-361/18:22:50.8		NOTE: ENTER HGA KEEP OUT ZONE		
5811	M1O	03-361/18:22:50.8	63	NOTE: Loss Of X-Band Signal		
5812	M1O	03-361/18:24:09.9		NOTE: Exit Solar Eclipse 9028		03-361/18:15:14.0
5813	M1O	03-361/18:30:23.2		NOTE: Enter Planetary Atmosphere 9028		03-361/18:21:27.3
5814	M1O	03-361/18:31:50.7		NOTE: Enter Earth Occultation 9028		03-361/18:22:54.9
5815	M1O	03-361/18:32:46.5		NOTE: North Pole Crossing 9028		03-361/18:23:50.6
5816	M1O	03-361/18:34:20.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5817	M1O	03-361/18:34:49.8		NOTE: Apoapsis 9028 -		03-361/18:25:53.9
5818	M1O	03-361/18:39:20.0	63	Range Modulation On: SUP=3.0dB		
5819	M1O	03-361/18:40:20.0	63	Begin Ranging Acquisition		
5820	M1O	03-361/18:44:10.8		NOTE: EXIT HGA KEEP OUT ZONE		
5821	M1O	03-361/18:50:00.0	15	Begin Pre-Cal		
5822	M1O	03-361/18:50:00.0	15	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
5823	M1O	03-361/18:50:00.0	15	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
5824	M1O	03-361/18:50:00.0	15	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
5825	M1O	03-361/18:50:00.0	15	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
5826	M1O	03-361/18:50:00.0	15	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
5827	M1O	03-361/18:50:00.0	15	Config: RCV: Parms:		
5828	M1O	03-361/18:50:00.0	15	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
5829	M1O	03-361/18:50:00.0	15	Config: TGC: BAND=X, SR=221200.000000		
5830	M1O	03-361/18:50:00.0	15	Config: TXL		
5831	M1O	03-361/18:50:00.0	15	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
5832	M1O	03-361/18:50:00.0	15	Config: CMD		
5833	M1O	03-361/18:50:00.0	15	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
5834	M1O	03-361/18:51:39.8		NOTE: Exit Earth Occultation 9028		03-361/18:42:43.8
5835	M1O	03-361/18:51:39.8	63	Acquisition Of X-Band Signal		
5836	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		
5837	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		
5838	M1O	03-361/18:53:08.2		NOTE: Exit Planetary Atmosphere 9028		03-361/18:44:12.3
5839	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5840	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		
5841	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
5842	M1O	03-361/19:02:44.3		NOTE: Descending Node Crossing 9029		03-361/18:53:48.4
5843	M1O	03-361/19:32:06.2		NOTE: South Pole Crossing 9029		03-361/19:23:10.1
5844	M1O	03-361/19:33:36.1		NOTE: Periapsis 9029 ----------		03-361/19:24:40.1
5845	M1O	03-361/19:48:31.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
5846	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
5847	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
5848	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		
5849	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
5850	M1O	03-361/19:54:00.2		CALL, Engine = , Parameters = 56	get_cmd_opt	03-361/19:45:04.1
5851	M1O	03-361/19:54:00.5		CALL, Engine = , Parameters = 361, 04, 056	bld_autosw	03-361/19:45:04.4
5852	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
5853	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
5854	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
5855	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
5856	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
5857	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
5858	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
5859	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
5860	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
5861	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
5862	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
5863	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
5864	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
5865	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
5866	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
5867	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
5868	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
5869	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
5870	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
5871	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
5872	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
5873	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
5874	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
5875	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
5876	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

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5877	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
5878	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
5879	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
5880	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
5881	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
5882	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
5883	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
5884	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
5885	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
5886	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
5887	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
5888	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
5889	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
5890	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
5891	M1O	03-361/19:54:42.5		CALL, Engine = , Parameters = 56	get_apid	03-361/19:45:46.4
5892	M1O	03-361/19:54:43.6		CALL, Engine = , Parameters = 56	get_rcv_mode	03-361/19:45:47.5
5893	M1O	03-361/19:54:43.8		CALL, Engine = , Parameters = 56	get_dl_rate	03-361/19:45:47.7
5894	M1O	03-361/19:54:44.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-361/19:45:48.8
5895	M1O	03-361/19:54:46.1		CALL, Engine = , Parameters = 56	get_coding	03-361/19:45:50.0
5896	M1O	03-361/19:54:47.3		CALL, Engine = , Parameters = 56	get_xmt_mode	03-361/19:45:51.2
5897	M1O	03-361/19:54:48.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-361/19:45:52.4
5898	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
5899	M1O	03-361/19:55:54.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-361/19:46:58.2
5900	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
5901	M1O	03-361/19:55:56.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-361/19:47:00.2
5902	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
5903	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
5904	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
5905	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
5906	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
5907	M1O	03-361/19:58:31.0	63	Range Modulation Off		
5908	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
5909	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
5910	M1O	03-361/20:00:41.3		NOTE: Enter Solar Eclipse 9029		03-361/19:51:45.2
5911	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
5912	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
5913	M1O	03-361/20:01:24.3		NOTE: Ascending Node Crossing 9029		03-361/19:52:28.2
5914	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5915	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
5916	M1O	03-361/20:03:31.0	63	X-Band Transmitter Off		
5917	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
5918	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
5919	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
5920	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
5921	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
5922	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
5923	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
5924	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
5925	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
5926	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
5927	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
5928	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
5929	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
5930	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
5931	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
5932	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		
5933	M1O	03-361/20:14:06.2		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-361/20:05:10.0
5934	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
5935	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		
5936	M1O	03-361/20:20:00.0	15	Begin Tracking		
5937	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		
5938	M1O	03-361/20:20:20.8		SPAWN, Engine = 65535, Parameters = 3, 00:38:21, 1	dpt	03-361/20:11:24.6
5939	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
5940	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		
5941	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		
5942	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
5943	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		
5944	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		
5945	M1O	03-361/20:21:24.1		NOTE: ENTER HGA KEEP OUT ZONE		
5946	M1O	03-361/20:21:24.1	15	NOTE: Loss Of X-Band Signal		
5947	M1O	03-361/20:21:24.1	63	NOTE: Loss Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5948	M1O	03-361/20:22:43.2		NOTE: Exit Solar Eclipse 9029		03-361/20:13:47.0
5949	M1O	03-361/20:28:52.9		NOTE: Enter Planetary Atmosphere 9029		03-361/20:19:56.7
5950	M1O	03-361/20:30:20.3		NOTE: Enter Earth Occultation 9029		03-361/20:21:24.1
5951	M1O	03-361/20:31:18.4		NOTE: North Pole Crossing 9029		03-361/20:22:22.2
5952	M1O	03-361/20:31:46.0	15	NOTE: Above Uplink Interlock Limit		
5953	M1O	03-361/20:33:31.2		NOTE: Apoapsis 9029 -		03-361/20:24:35.0
5954	M1O	03-361/20:35:00.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5955	M1O	03-361/20:40:00.0	63	End Tracking		
5956	M1O	03-361/20:40:00.0	15	Range Modulation On: SUP=3.0dB		
5957	M1O	03-361/20:40:00.4		NOTE: Changing to 34M (HEF) downlink rate: 66360_BPS		03-361/20:31:04.2
5958	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
5959	M1O	03-361/20:41:00.0	15	Begin Ranging Acquisition		
5960	M1O	03-361/20:42:44.2		NOTE: EXIT HGA KEEP OUT ZONE		
5961	M1O	03-361/20:50:12.1		NOTE: Exit Earth Occultation 9029		03-361/20:41:15.8
5962	M1O	03-361/20:50:12.1	15	Acquisition Of X-Band Signal		
5963	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		
5964	M1O	03-361/20:51:40.5		NOTE: Exit Planetary Atmosphere 9029		03-361/20:42:44.2
5965	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		
5966	M1O	03-361/20:55:00.0	63	End Post-Cal		
5967	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
5968	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		
5969	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
5970	M1O	03-361/21:01:16.1		NOTE: Descending Node Crossing 9030		03-361/20:52:19.8
5971	M1O	03-361/21:30:37.1		NOTE: South Pole Crossing 9030		03-361/21:21:40.7
5972	M1O	03-361/21:31:52.7		NOTE: Periapsis 9030 ----------		03-361/21:22:56.3
5973	M1O	03-361/21:47:03.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
5974	M1O	03-361/21:57:03.0	15	Range Modulation Off		
5975	M1O	03-361/21:59:12.6		NOTE: Enter Solar Eclipse 9030		03-361/21:50:16.1
5976	M1O	03-361/21:59:54.9		NOTE: Ascending Node Crossing 9030		03-361/21:50:58.4
5977	M1O	03-361/22:02:03.0	15	X-Band Transmitter Off		
5978	M1O	03-361/22:18:53.2		SPAWN, Engine = 65535, Parameters = 3, 00:35:17, 1	dpt	03-361/22:09:56.6
5979	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
5980	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		
5981	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
5982	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		
5983	M1O	03-361/22:19:56.5		NOTE: ENTER HGA KEEP OUT ZONE		
5984	M1O	03-361/22:19:56.5	15	NOTE: Loss Of X-Band Signal		
5985	M1O	03-361/22:21:09.9		NOTE: Exit Solar Eclipse 9030		03-361/22:12:13.3
5986	M1O	03-361/22:27:29.0		NOTE: Enter Planetary Atmosphere 9030		03-361/22:18:32.4
5987	M1O	03-361/22:28:56.9		NOTE: Enter Earth Occultation 9030		03-361/22:20:00.3
5988	M1O	03-361/22:29:50.1		NOTE: North Pole Crossing 9030		03-361/22:20:53.6
5989	M1O	03-361/22:31:20.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
5990	M1O	03-361/22:31:41.8		NOTE: Apoapsis 9030 -		03-361/22:22:45.2
5991	M1O	03-361/22:36:20.0	15	Range Modulation On: SUP=3.0dB		
5992	M1O	03-361/22:37:20.0	15	Begin Ranging Acquisition		
5993	M1O	03-361/22:41:16.6		NOTE: EXIT HGA KEEP OUT ZONE		
5994	M1O	03-361/22:48:41.2		NOTE: Exit Earth Occultation 9030		03-361/22:39:44.6
5995	M1O	03-361/22:48:41.2	15	Acquisition Of X-Band Signal		
5996	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
5997	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		
5998	M1O	03-361/22:50:10.1		NOTE: Exit Planetary Atmosphere 9030		03-361/22:41:13.5
5999	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
6000	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		
6001	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
6002	M1O	03-361/22:59:48.8		NOTE: Descending Node Crossing 9031		03-361/22:50:52.1
6003	M1O	03-361/23:29:10.4		NOTE: South Pole Crossing 9031		03-361/23:20:13.6
6004	M1O	03-361/23:30:10.7		NOTE: Periapsis 9031 ----------		03-361/23:21:14.0
6005	M1O	03-361/23:45:34.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
6006	M1O	03-361/23:55:34.0	15	Range Modulation Off		
6007	M1O	03-361/23:57:49.1		NOTE: Enter Solar Eclipse 9031		03-361/23:48:52.2
6008	M1O	03-361/23:58:29.3		NOTE: Ascending Node Crossing 9031		03-361/23:49:32.4
6009	M1O	03-362/00:00:00.0		Light Time: OWLT = 08:56, RTLT = 17:53		
6010	M1O	03-362/00:00:34.0	15	X-Band Transmitter Off		
6011	M1O	03-362/00:17:25.6		SPAWN, Engine = 65535, Parameters = 3, 00:35:16, 1	dpt	03-362/00:08:28.7
6012	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
6013	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		
6014	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
6015	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		
6016	M1O	03-362/00:18:28.9		NOTE: ENTER HGA KEEP OUT ZONE		
6017	M1O	03-362/00:18:28.9	15	NOTE: Loss Of X-Band Signal		
6018	M1O	03-362/00:19:39.8		NOTE: Exit Solar Eclipse 9031		03-362/00:10:42.9
6019	M1O	03-362/00:26:08.5		NOTE: Enter Planetary Atmosphere 9031		03-362/00:17:11.6
6020	M1O	03-362/00:27:37.0		NOTE: Enter Earth Occultation 9031		03-362/00:18:40.0
6021	M1O	03-362/00:28:25.1		NOTE: North Pole Crossing 9031		03-362/00:19:28.2
6022	M1O	03-362/00:29:50.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6023	M1O	03-362/00:30:09.1		NOTE: Apoapsis 9031 -		03-362/00:21:12.1
6024	M1O	03-362/00:34:50.0	15	Range Modulation On: SUP=3.0dB		
6025	M1O	03-362/00:35:50.0	15	Begin Ranging Acquisition		
6026	M1O	03-362/00:39:48.9		NOTE: EXIT HGA KEEP OUT ZONE		
6027	M1O	03-362/00:47:12.7		NOTE: Exit Earth Occultation 9031		03-362/00:38:15.7
6028	M1O	03-362/00:47:12.7	15	Acquisition Of X-Band Signal		
6029	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		
6030	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		
6031	M1O	03-362/00:48:42.1		NOTE: Exit Planetary Atmosphere 9031		03-362/00:39:45.1
6032	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
6033	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		
6034	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
6035	M1O	03-362/00:58:24.1		NOTE: Descending Node Crossing 9032		03-362/00:49:27.1
6036	M1O	03-362/01:27:47.1		NOTE: South Pole Crossing 9032		03-362/01:18:50.0
6037	M1O	03-362/01:29:08.5		NOTE: Periapsis 9032 ----------		03-362/01:20:11.4
6038	M1O	03-362/01:30:00.0	43	Begin Pre-Cal		
6039	M1O	03-362/01:30:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
6040	M1O	03-362/01:30:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
6041	M1O	03-362/01:30:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
6042	M1O	03-362/01:30:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
6043	M1O	03-362/01:30:00.0	43	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
6044	M1O	03-362/01:30:00.0	43	Config: RCV: Parms:		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6045	M1O	03-362/01:30:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
6046	M1O	03-362/01:30:00.0	43	Config: TGC: BAND=X, SR=132720.000000		
6047	M1O	03-362/01:30:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
6048	M1O	03-362/01:44:09.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
6049	M1O	03-362/01:54:09.0	15	Range Modulation Off		
6050	M1O	03-362/01:56:26.1		NOTE: Enter Solar Eclipse 9032		03-362/01:47:28.9
6051	M1O	03-362/01:57:06.7		NOTE: Ascending Node Crossing 9032		03-362/01:48:09.5
6052	M1O	03-362/01:59:09.0	15	X-Band Transmitter Off		
6053	M1O	03-362/02:16:01.0		SPAWN, Engine = 65535, Parameters = 3, 00:35:16, 1	dpt	03-362/02:07:03.7
6054	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
6055	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		
6056	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
6057	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		
6058	M1O	03-362/02:17:04.2		NOTE: ENTER HGA KEEP OUT ZONE		
6059	M1O	03-362/02:17:04.2	15	NOTE: Loss Of X-Band Signal		
6060	M1O	03-362/02:18:15.8		NOTE: Exit Solar Eclipse 9032		03-362/02:09:18.5
6061	M1O	03-362/02:24:46.1		NOTE: Enter Planetary Atmosphere 9032		03-362/02:15:48.8
6062	M1O	03-362/02:26:14.8		NOTE: Enter Earth Occultation 9032		03-362/02:17:17.5
6063	M1O	03-362/02:27:02.0		NOTE: North Pole Crossing 9032		03-362/02:18:04.7
6064	M1O	03-362/02:28:25.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6065	M1O	03-362/02:29:18.3		NOTE: Apoapsis 9032 -		03-362/02:20:21.0
6066	M1O	03-362/02:33:25.0	15	Range Modulation On: SUP=3.0dB		
6067	M1O	03-362/02:34:25.0	15	Begin Ranging Acquisition		
6068	M1O	03-362/02:38:24.3		NOTE: EXIT HGA KEEP OUT ZONE		
6069	M1O	03-362/02:45:47.2		NOTE: Exit Earth Occultation 9032		03-362/02:36:49.9
6070	M1O	03-362/02:45:47.2	15	Acquisition Of X-Band Signal		
6071	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		
6072	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		
6073	M1O	03-362/02:47:13.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
6074	M1O	03-362/02:47:16.9		NOTE: Exit Planetary Atmosphere 9032		03-362/02:38:19.5
6075	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
6076	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		
6077	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
6078	M1O	03-362/02:57:01.1		NOTE: Descending Node Crossing 9033		03-362/02:48:03.7
6079	M1O	03-362/02:57:13.0	15	Range Modulation Off		
6080	M1O	03-362/02:58:58.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-362/02:50:01.1
6081	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
6082	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		
6083	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
6084	M1O	03-362/03:00:00.0	43	Begin Tracking		
6085	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		
6086	M1O	03-362/03:00:00.5		NOTE: Changing to 70M downlink rate: 110600_BPS		03-362/02:51:03.1
6087	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
6088	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		
6089	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6090	M1O	03-362/03:02:13.0	15	X-Band Transmitter Off		
6091	M1O	03-362/03:02:14.0	43	NOTE: Above Uplink Interlock Limit		
6092	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
6093	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		
6094	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		
6095	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
6096	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
6097	M1O	03-362/03:10:01.5		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-362/03:01:04.1
6098	M1O	03-362/03:10:02.5		Forces a desaturation of the reaction wheels.	RW_DESAT	03-362/03:01:05.1
6099	M1O	03-362/03:11:57.4		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-362/03:03:00.0
6100	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
6101	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
6102	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
6103	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
6104	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
6105	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
6106	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
6107	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		
6108	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		
6109	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
6110	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		
6111	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		
6112	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
6113	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
6114	M1O	03-362/03:19:36.2	15	D/L RF Warning: SC antenna change - expect signal level variation		
6115	M1O	03-362/03:19:36.2	43	D/L RF Warning: SC antenna change - expect signal level variation		
6116	M1O	03-362/03:19:37.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-362/03:10:39.8
6117	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, ANT=HGA		
6118	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		
6119	M1O	03-362/03:21:32.5		CALL, Engine = , Parameters = FALSE	park_hga	03-362/03:12:35.1
6120	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
6121	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
6122	M1O	03-362/03:21:34.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-362/03:12:37.1
6123	M1O	03-362/03:21:34.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-362/03:12:37.1
6124	M1O	03-362/03:21:34.5		NOTE: START HGA PARK		
6125	M1O	03-362/03:21:34.5	15	NOTE: Loss Of X-Band Signal		
6126	M1O	03-362/03:21:34.5	43	NOTE: Loss Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6127	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
6128	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
6129	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
6130	M1O	03-362/03:26:24.5		NOTE: South Pole Crossing 9033		03-362/03:17:27.0
6131	M1O	03-362/03:28:13.5		NOTE: Periapsis 9033 ----------		03-362/03:19:16.0
6132	M1O	03-362/03:29:36.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-362/03:20:39.1
6133	M1O	03-362/03:29:36.6		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-362/03:20:39.1
6134	M1O	03-362/03:55:01.4		NOTE: Enter Solar Eclipse 9033		03-362/03:46:03.8
6135	M1O	03-362/03:55:43.9		NOTE: Ascending Node Crossing 9033		03-362/03:46:46.3
6136	M1O	03-362/03:59:36.5		GV: GV_DESAT_ACTIVE = 1		03-362/03:50:39.0
6137	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
6138	M1O	03-362/03:59:37.5		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-362/03:50:40.0
6139	M1O	03-362/04:09:36.6		GV: GV_DESAT_ACTIVE = 0		03-362/04:00:39.0
6140	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
6141	M1O	03-362/04:09:38.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-362/04:00:41.0
6142	M1O	03-362/04:09:39.6		CALL, Engine = , Parameters =	unpark_hga	03-362/04:00:42.0
6143	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
6144	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
6145	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
6146	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
6147	M1O	03-362/04:15:40.6		NOTE: ENTER HGA KEEP OUT ZONE		
6148	M1O	03-362/04:16:53.2		NOTE: Exit Solar Eclipse 9033		03-362/04:07:55.6
6149	M1O	03-362/04:18:11.6		NOTE: EXIT HGA PARK		
6150	M1O	03-362/04:23:21.9		NOTE: Enter Planetary Atmosphere 9033		03-362/04:14:24.2
6151	M1O	03-362/04:24:50.6		NOTE: Enter Earth Occultation 9033		03-362/04:15:52.9
6152	M1O	03-362/04:25:38.9		NOTE: North Pole Crossing 9033		03-362/04:16:41.2
6153	M1O	03-362/04:27:01.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6154	M1O	03-362/04:28:21.6		NOTE: Apoapsis 9033 -		03-362/04:19:24.0
6155	M1O	03-362/04:32:01.0	15	Range Modulation On: SUP=3.0dB		
6156	M1O	03-362/04:33:01.0	15	Begin Ranging Acquisition		
6157	M1O	03-362/04:37:00.7		NOTE: EXIT HGA KEEP OUT ZONE		
6158	M1O	03-362/04:43:58.5		SPAWN, Engine = 65535, Parameters = 00:05:31.950	cstr	03-362/04:35:00.8
6159	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
6160	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
6161	M1O	03-362/04:44:00.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-362/04:35:02.9
6162	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
6163	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
6164	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
6165	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
6166	M1O	03-362/04:44:23.5		NOTE: Exit Earth Occultation 9033		03-362/04:35:25.8
6167	M1O	03-362/04:44:23.5	15	Acquisition Of X-Band Signal		
6168	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6169	M1O	03-362/04:44:23.5	43	Acquisition Of X-Band Signal		
6170	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		
6171	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		
6172	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		
6173	M1O	03-362/04:45:53.1		NOTE: Exit Planetary Atmosphere 9033		03-362/04:36:55.4
6174	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
6175	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
6176	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		
6177	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		
6178	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
6179	M1O	03-362/04:55:38.2		NOTE: Descending Node Crossing 9034		03-362/04:46:40.5
6180	M1O	03-362/05:25:01.0		NOTE: South Pole Crossing 9034		03-362/05:16:03.1
6181	M1O	03-362/05:27:00.3		NOTE: Periapsis 9034 ----------		03-362/05:18:02.5
6182	M1O	03-362/05:41:21.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
6183	M1O	03-362/05:51:21.0	15	Range Modulation Off		
6184	M1O	03-362/05:53:34.4		NOTE: Enter Solar Eclipse 9034		03-362/05:44:36.4
6185	M1O	03-362/05:54:19.1		NOTE: Ascending Node Crossing 9034		03-362/05:45:21.1
6186	M1O	03-362/05:56:21.0	15	X-Band Transmitter Off		
6187	M1O	03-362/06:13:12.6		SPAWN, Engine = 65535, Parameters = 3, 00:35:17.196, 1	dpt	03-362/06:04:14.6
6188	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
6189	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		
6190	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		
6191	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
6192	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		
6193	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		
6194	M1O	03-362/06:14:18.0		NOTE: ENTER HGA KEEP OUT ZONE		
6195	M1O	03-362/06:14:18.0	15	NOTE: Loss Of X-Band Signal		
6196	M1O	03-362/06:14:18.0	43	NOTE: Loss Of X-Band Signal		
6197	M1O	03-362/06:15:30.3		NOTE: Exit Solar Eclipse 9034		03-362/06:06:32.3
6198	M1O	03-362/06:21:53.8		NOTE: Enter Planetary Atmosphere 9034		03-362/06:12:55.8
6199	M1O	03-362/06:23:22.2		NOTE: Enter Earth Occultation 9034		03-362/06:14:24.1
6200	M1O	03-362/06:24:13.9		NOTE: North Pole Crossing 9034		03-362/06:15:15.8
6201	M1O	03-362/06:25:36.0	15	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6202	M1O	03-362/06:26:54.0		NOTE: Apoapsis 9034 -		03-362/06:17:56.0
6203	M1O	03-362/06:30:36.0	15	Range Modulation On: SUP=3.0dB		
6204	M1O	03-362/06:31:36.0	15	Begin Ranging Acquisition		
6205	M1O	03-362/06:35:00.0	15	NOTE: X-Band Transmitter Off in 15 minutes		
6206	M1O	03-362/06:35:38.0		NOTE: EXIT HGA KEEP OUT ZONE		
6207	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
6208	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
6209	M1O	03-362/06:39:38.1		CALL, Engine = , Parameters = 56	get_cmd_opt	03-362/06:30:40.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6210	M1O	03-362/06:39:38.4		CALL, Engine = , Parameters = 362, 01, 056	bld_autosw	03-362/06:30:40.4
6211	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
6212	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
6213	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
6214	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
6215	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
6216	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
6217	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
6218	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
6219	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
6220	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
6221	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
6222	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
6223	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
6224	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
6225	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
6226	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
6227	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
6228	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
6229	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
6230	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
6231	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
6232	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
6233	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
6234	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
6235	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
6236	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
6237	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
6238	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
6239	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
6240	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
6241	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
6242	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
6243	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
6244	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
6245	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6246	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
6247	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
6248	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
6249	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
6250	M1O	03-362/06:40:20.4		CALL, Engine = , Parameters = 56	get_apid	03-362/06:31:22.4
6251	M1O	03-362/06:40:21.5		CALL, Engine = , Parameters = 56	get_rcv_mode	03-362/06:31:23.5
6252	M1O	03-362/06:40:21.7		CALL, Engine = , Parameters = 56	get_dl_rate	03-362/06:31:23.7
6253	M1O	03-362/06:40:22.8		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-362/06:31:24.8
6254	M1O	03-362/06:40:24.0		CALL, Engine = , Parameters = 56	get_coding	03-362/06:31:26.0
6255	M1O	03-362/06:40:25.2		CALL, Engine = , Parameters = 56	get_xmt_mode	03-362/06:31:27.2
6256	M1O	03-362/06:40:26.4		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-362/06:31:28.4
6257	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
6258	M1O	03-362/06:41:32.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-362/06:32:34.2
6259	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
6260	M1O	03-362/06:41:34.2		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-362/06:32:36.2
6261	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
6262	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
6263	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
6264	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
6265	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
6266	M1O	03-362/06:43:00.4		NOTE: Exit Earth Occultation 9034		03-362/06:34:02.3
6267	M1O	03-362/06:43:00.4	15	Acquisition Of X-Band Signal		
6268	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		
6269	M1O	03-362/06:43:00.4	43	Acquisition Of X-Band Signal		
6270	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		
6271	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		
6272	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		
6273	M1O	03-362/06:44:29.7		NOTE: Exit Planetary Atmosphere 9034		03-362/06:35:31.6
6274	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
6275	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
6276	M1O	03-362/06:45:00.0	15	Range Modulation Off		
6277	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
6278	M1O	03-362/06:46:39.3		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/06:37:41.2
6279	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
6280	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		
6281	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		
6282	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
6283	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		
6284	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		
6285	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
6286	M1O	03-362/06:48:38.3		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK,	UHF_XMIT_MODE	03-362/06:39:40.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT, DISABLE		
6287	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
6288	M1O	03-362/06:50:00.0	15	X-Band Transmitter Off		
6289	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
6290	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
6291	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
6292	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
6293	M1O	03-362/06:54:13.0		NOTE: Descending Node Crossing 9035		03-362/06:45:14.9
6294	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
6295	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
6296	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
6297	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
6298	M1O	03-362/06:57:03.6	15	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
6299	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
6300	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
6301	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
6302	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
6303	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
6304	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
6305	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
6306	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		
6307	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		
6308	M1O	03-362/06:59:48.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-362/06:50:50.1
6309	M1O	03-362/07:04:41.0	15	NOTE: Below Uplink Interlock Limit		
6310	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
6311	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		
6312	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		
6313	M1O	03-362/07:06:54.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-362/06:57:55.8
6314	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
6315	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		
6316	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		
6317	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
6318	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6319	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		
6320	M1O	03-362/07:08:58.1		SPAWN, Engine = 65535, Parameters =	scdiag	03-362/07:00:00.0
6321	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
6322	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
6323	M1O	03-362/07:10:01.1		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-362/07:01:03.0
6324	M1O	03-362/07:10:01.3		NOTE: Start Block fsw_diag		03-362/07:01:03.2
6325	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
6326	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
6327	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
6328	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
6329	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
6330	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
6331	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
6332	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
6333	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
6334	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
6335	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
6336	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
6337	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
6338	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
6339	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
6340	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
6341	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		
6342	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		
6343	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
6344	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
6345	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
6346	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
6347	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
6348	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
6349	M1O	03-362/07:13:12.3		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-362/07:04:14.2
6350	M1O	03-362/07:13:23.3		NOTE: End Block fsw_diag.mod		03-362/07:04:25.2
6351	M1O	03-362/07:15:00.0	15	End Tracking		
6352	M1O	03-362/07:23:34.5		NOTE: South Pole Crossing 9035		03-362/07:14:36.3
6353	M1O	03-362/07:25:17.6		NOTE: Periapsis 9035 ----------		03-362/07:16:19.4
6354	M1O	03-362/07:30:00.0	15	End Post-Cal		
6355	M1O	03-362/07:52:06.3		NOTE: Enter Solar Eclipse 9035		03-362/07:43:08.0
6356	M1O	03-362/07:52:51.8		NOTE: Ascending Node Crossing 9035		03-362/07:43:53.5
6357	M1O	03-362/08:11:51.3		SPAWN, Engine = 65535, Parameters = 3, 00:34:41.086, 1	dpt	03-362/08:02:53.0
6358	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
6359	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		
6360	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6361	M1O	03-362/08:12:53.3		NOTE: ENTER HGA KEEP OUT ZONE		
6362	M1O	03-362/08:12:53.3	43	NOTE: Loss Of X-Band Signal		
6363	M1O	03-362/08:14:04.9		NOTE: Exit Solar Eclipse 9035		03-362/08:05:06.5
6364	M1O	03-362/08:20:22.7		NOTE: Enter Planetary Atmosphere 9035		03-362/08:11:24.3
6365	M1O	03-362/08:21:50.7		NOTE: Enter Earth Occultation 9035		03-362/08:12:52.3
6366	M1O	03-362/08:22:46.2		NOTE: North Pole Crossing 9035		03-362/08:13:47.8
6367	M1O	03-362/08:25:06.1		NOTE: Apoapsis 9035 -		03-362/08:16:07.7
6368	M1O	03-362/08:34:13.4		NOTE: EXIT HGA KEEP OUT ZONE		
6369	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
6370	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
6371	M1O	03-362/08:37:41.5		CALL, Engine = , Parameters = 56	get_cmd_opt	03-362/08:28:43.1
6372	M1O	03-362/08:37:41.8		CALL, Engine = , Parameters = 362, 02, 056	bld_autosw	03-362/08:28:43.4
6373	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
6374	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
6375	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
6376	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
6377	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
6378	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
6379	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
6380	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
6381	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
6382	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
6383	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
6384	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
6385	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
6386	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
6387	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
6388	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
6389	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
6390	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
6391	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
6392	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
6393	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
6394	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
6395	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
6396	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
6397	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
6398	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6399	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
6400	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
6401	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
6402	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
6403	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
6404	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
6405	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
6406	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
6407	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
6408	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
6409	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
6410	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
6411	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
6412	M1O	03-362/08:38:23.8		CALL, Engine = , Parameters = 56	get_apid	03-362/08:29:25.4
6413	M1O	03-362/08:38:24.9		CALL, Engine = , Parameters = 56	get_rcv_mode	03-362/08:29:26.5
6414	M1O	03-362/08:38:25.1		CALL, Engine = , Parameters = 56	get_dl_rate	03-362/08:29:26.7
6415	M1O	03-362/08:38:26.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-362/08:29:27.8
6416	M1O	03-362/08:38:27.4		CALL, Engine = , Parameters = 56	get_coding	03-362/08:29:29.0
6417	M1O	03-362/08:38:28.6		CALL, Engine = , Parameters = 56	get_xmt_mode	03-362/08:29:30.2
6418	M1O	03-362/08:38:29.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-362/08:29:31.4
6419	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
6420	M1O	03-362/08:39:35.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-362/08:30:37.2
6421	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
6422	M1O	03-362/08:39:37.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-362/08:30:39.2
6423	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
6424	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
6425	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
6426	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
6427	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
6428	M1O	03-362/08:41:34.5		NOTE: Exit Earth Occultation 9035		03-362/08:32:36.0
6429	M1O	03-362/08:41:34.5	43	Acquisition Of X-Band Signal		
6430	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		
6431	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
6432	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
6433	M1O	03-362/08:43:03.5		NOTE: Exit Planetary Atmosphere 9035		03-362/08:34:05.0
6434	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
6435	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
6436	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
6437	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6438	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
6439	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		
6440	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
6441	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
6442	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
6443	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
6444	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
6445	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
6446	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
6447	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
6448	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
6449	M1O	03-362/08:52:44.5		NOTE: Descending Node Crossing 9036		03-362/08:43:46.0
6450	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
6451	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
6452	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
6453	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
6454	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
6455	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
6456	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
6457	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		
6458	M1O	03-362/08:56:17.2		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-362/08:47:18.7
6459	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
6460	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		
6461	M1O	03-362/09:22:05.9		NOTE: South Pole Crossing 9036		03-362/09:13:07.3
6462	M1O	03-362/09:23:31.9		NOTE: Periapsis 9036 ----------		03-362/09:14:33.3
6463	M1O	03-362/09:50:38.9		NOTE: Enter Solar Eclipse 9036		03-362/09:41:40.3
6464	M1O	03-362/09:51:23.7		NOTE: Ascending Node Crossing 9036		03-362/09:42:25.0
6465	M1O	03-362/10:03:14.7		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-362/09:54:16.0
6466	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
6467	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
6468	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
6469	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
6470	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6471	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
6472	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
6473	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		
6474	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
6475	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		
6476	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
6477	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
6478	M1O	03-362/10:10:53.5	43	D/L RF Warning: SC antenna change - expect signal level variation		
6479	M1O	03-362/10:10:54.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-362/10:01:55.8
6480	M1O	03-362/10:11:24.7		NOTE: ENTER HGA KEEP OUT ZONE		
6481	M1O	03-362/10:11:24.7	43	NOTE: Loss Of X-Band Signal		
6482	M1O	03-362/10:12:35.3		NOTE: Exit Solar Eclipse 9036		03-362/10:03:36.6
6483	M1O	03-362/10:18:55.1		NOTE: Enter Planetary Atmosphere 9036		03-362/10:09:56.4
6484	M1O	03-362/10:20:23.4		NOTE: Enter Earth Occultation 9036		03-362/10:11:24.6
6485	M1O	03-362/10:21:17.8		NOTE: North Pole Crossing 9036		03-362/10:12:19.0
6486	M1O	03-362/10:23:46.3		NOTE: Apoapsis 9036 -		03-362/10:14:47.6
6487	M1O	03-362/10:30:00.0	43	End Tracking		
6488	M1O	03-362/10:32:44.7		NOTE: EXIT HGA KEEP OUT ZONE		
6489	M1O	03-362/10:40:03.9		NOTE: Exit Earth Occultation 9036		03-362/10:31:05.1
6490	M1O	03-362/10:41:33.1		NOTE: Exit Planetary Atmosphere 9036		03-362/10:32:34.3
6491	M1O	03-362/10:45:00.0	43	End Post-Cal		
6492	M1O	03-362/10:51:15.8		NOTE: Descending Node Crossing 9037		03-362/10:42:17.0
6493	M1O	03-362/11:20:38.0		NOTE: South Pole Crossing 9037		03-362/11:11:39.1
6494	M1O	03-362/11:22:06.1		NOTE: Periapsis 9037 ----------		03-362/11:13:07.1
6495	M1O	03-362/11:49:12.8		NOTE: Enter Solar Eclipse 9037		03-362/11:40:13.8
6496	M1O	03-362/11:49:56.9		NOTE: Ascending Node Crossing 9037		03-362/11:40:57.8
6497	M1O	03-362/12:09:56.0		NOTE: ENTER HGA KEEP OUT ZONE		
6498	M1O	03-362/12:11:03.4		NOTE: Exit Solar Eclipse 9037		03-362/12:02:04.3
6499	M1O	03-362/12:17:35.9		NOTE: Enter Planetary Atmosphere 9037		03-362/12:08:36.8
6500	M1O	03-362/12:19:05.1		NOTE: Enter Earth Occultation 9037		03-362/12:10:05.9
6501	M1O	03-362/12:19:52.3		NOTE: North Pole Crossing 9037		03-362/12:10:53.2
6502	M1O	03-362/12:22:22.7		NOTE: Apoapsis 9037 -		03-362/12:13:23.6
6503	M1O	03-362/12:30:56.1		NOTE: EXIT HGA KEEP OUT ZONE		
6504	M1O	03-362/12:38:33.7		NOTE: Exit Earth Occultation 9037		03-362/12:29:34.6
6505	M1O	03-362/12:40:03.8		NOTE: Exit Planetary Atmosphere 9037		03-362/12:31:04.6
6506	M1O	03-362/12:49:51.8		NOTE: Descending Node Crossing 9038		03-362/12:40:52.5
6507	M1O	03-362/13:19:14.1		NOTE: South Pole Crossing 9038		03-362/13:10:14.8
6508	M1O	03-362/13:20:48.4		NOTE: Periapsis 9038 ----------		03-362/13:11:49.0
6509	M1O	03-362/13:47:48.0		NOTE: Enter Solar Eclipse 9038		03-362/13:38:48.6
6510	M1O	03-362/13:48:32.6		NOTE: Ascending Node Crossing 9038		03-362/13:39:33.2
6511	M1O	03-362/14:08:31.4		NOTE: ENTER HGA KEEP OUT ZONE		
6512	M1O	03-362/14:09:35.7		NOTE: Exit Solar Eclipse 9038		03-362/14:00:36.3
6513	M1O	03-362/14:16:16.2		NOTE: Enter Planetary Atmosphere 9038		03-362/14:07:16.7
6514	M1O	03-362/14:17:45.7		NOTE: Enter Earth Occultation 9038		03-362/14:08:46.3
6515	M1O	03-362/14:18:28.9		NOTE: North Pole Crossing 9038		03-362/14:09:29.4
6516	M1O	03-362/14:20:51.2		NOTE: Apoapsis 9038 -		03-362/14:11:51.7
6517	M1O	03-362/14:29:31.5		NOTE: EXIT HGA KEEP OUT ZONE		
6518	M1O	03-362/14:30:00.0	54	Begin Pre-Cal		
6519	M1O	03-362/14:30:00.0	54	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
6520	M1O	03-362/14:30:00.0	54	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
6521	M1O	03-362/14:30:00.0	54	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
6522	M1O	03-362/14:30:00.0	54	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
6523	M1O	03-362/14:30:00.0	54	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
6524	M1O	03-362/14:30:00.0	54	Config: RCV: Parms:		
6525	M1O	03-362/14:30:00.0	54	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
6526	M1O	03-362/14:30:00.0	54	Config: TGC: BAND=X, SR=221200.000000		
6527	M1O	03-362/14:30:00.0	54	Config: TXL		
6528	M1O	03-362/14:30:00.0	54	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
6529	M1O	03-362/14:30:00.0	54	Config: CMD		
6530	M1O	03-362/14:30:00.0	54	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
6531	M1O	03-362/14:37:08.1		NOTE: Exit Earth Occultation 9038		03-362/14:28:08.6
6532	M1O	03-362/14:38:38.7		NOTE: Exit Planetary Atmosphere 9038		03-362/14:29:39.1
6533	M1O	03-362/14:48:29.3		NOTE: Descending Node Crossing 9039		03-362/14:39:29.7
6534	M1O	03-362/15:17:51.4		NOTE: South Pole Crossing 9039		03-362/15:08:51.8
6535	M1O	03-362/15:19:23.9		NOTE: Periapsis 9039 ----------		03-362/15:10:24.3
6536	M1O	03-362/15:29:35.6		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-362/15:20:35.9
6537	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
6538	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
6539	M1O	03-362/15:29:37.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-362/15:20:38.0
6540	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
6541	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
6542	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
6543	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
6544	M1O	03-362/15:30:00.0	54	Begin Tracking		
6545	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		
6546	M1O	03-362/15:30:00.6		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		03-362/15:21:00.9
6547	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
6548	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		
6549	M1O	03-362/15:31:00.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6550	M1O	03-362/15:34:09.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
6551	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
6552	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
6553	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		
6554	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
6555	M1O	03-362/15:36:00.0	54	Range Modulation On: SUP=3.0dB		
6556	M1O	03-362/15:37:00.0	54	Begin Ranging Acquisition		
6557	M1O	03-362/15:44:09.0	54	Range Modulation Off		
6558	M1O	03-362/15:46:24.6		NOTE: Enter Solar Eclipse 9039		03-362/15:37:24.8
6559	M1O	03-362/15:47:09.6		NOTE: Ascending Node Crossing 9039		03-362/15:38:09.9
6560	M1O	03-362/15:47:56.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-362/15:38:56.9
6561	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
6562	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		
6563	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
6564	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		
6565	M1O	03-362/15:49:09.0	54	X-Band Transmitter Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6566	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
6567	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		
6568	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
6569	M1O	03-362/16:06:05.7		SPAWN, Engine = 65535, Parameters = 3, 00:35:09, 1	dpt	03-362/15:57:05.9
6570	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
6571	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		
6572	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
6573	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		
6574	M1O	03-362/16:07:08.8		NOTE: ENTER HGA KEEP OUT ZONE		
6575	M1O	03-362/16:07:08.8	54	NOTE: Loss Of X-Band Signal		
6576	M1O	03-362/16:08:12.4		NOTE: Exit Solar Eclipse 9039		03-362/15:59:12.6
6577	M1O	03-362/16:14:51.9		NOTE: Enter Planetary Atmosphere 9039		03-362/16:05:52.1
6578	M1O	03-362/16:16:21.3		NOTE: Enter Earth Occultation 9039		03-362/16:07:21.4
6579	M1O	03-362/16:17:05.7		NOTE: North Pole Crossing 9039		03-362/16:08:05.8
6580	M1O	03-362/16:18:18.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6581	M1O	03-362/16:19:13.1		NOTE: Apoapsis 9039 -		03-362/16:10:13.2
6582	M1O	03-362/16:23:18.0	54	Range Modulation On: SUP=3.0dB		
6583	M1O	03-362/16:24:18.0	54	Begin Ranging Acquisition		
6584	M1O	03-362/16:28:08.8		NOTE: EXIT HGA KEEP OUT ZONE		
6585	M1O	03-362/16:35:45.7		NOTE: Exit Earth Occultation 9039		03-362/16:26:45.8
6586	M1O	03-362/16:35:45.7	54	Acquisition Of X-Band Signal		
6587	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		
6588	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		
6589	M1O	03-362/16:37:16.1		NOTE: Exit Planetary Atmosphere 9039		03-362/16:28:16.2
6590	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
6591	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		
6592	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
6593	M1O	03-362/16:47:05.6		NOTE: Descending Node Crossing 9040		03-362/16:38:05.7
6594	M1O	03-362/17:16:27.9		NOTE: South Pole Crossing 9040		03-362/17:07:27.9
6595	M1O	03-362/17:17:57.7		NOTE: Periapsis 9040 ----------		03-362/17:08:57.7
6596	M1O	03-362/17:32:45.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
6597	M1O	03-362/17:42:45.0	54	Range Modulation Off		
6598	M1O	03-362/17:45:01.0		NOTE: Enter Solar Eclipse 9040		03-362/17:36:00.9
6599	M1O	03-362/17:45:46.2		NOTE: Ascending Node Crossing 9040		03-362/17:36:46.1
6600	M1O	03-362/17:47:45.0	54	X-Band Transmitter Off		
6601	M1O	03-362/18:04:41.0		SPAWN, Engine = 65535, Parameters = 3, 00:35:12.198, 1	dpt	03-362/17:55:40.8
6602	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
6603	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		
6604	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
6605	M1O	03-362/18:05:45.1		NOTE: ENTER HGA KEEP OUT ZONE		
6606	M1O	03-362/18:05:45.1	54	NOTE: Loss Of X-Band Signal		
6607	M1O	03-362/18:06:51.5		NOTE: Exit Solar Eclipse 9040		03-362/17:57:51.3
6608	M1O	03-362/18:13:22.5		NOTE: Enter Planetary Atmosphere 9040		03-362/18:04:22.3
6609	M1O	03-362/18:14:51.3		NOTE: Enter Earth Occultation 9040		03-362/18:05:51.1
6610	M1O	03-362/18:15:41.2		NOTE: North Pole Crossing 9040		03-362/18:06:41.0
6611	M1O	03-362/18:16:55.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6612	M1O	03-362/18:17:41.7		NOTE: Apoapsis 9040 -		03-362/18:08:41.5
6613	M1O	03-362/18:21:55.0	54	Range Modulation On: SUP=3.0dB		
6614	M1O	03-362/18:22:55.0	54	Begin Ranging Acquisition		
6615	M1O	03-362/18:26:45.2		NOTE: EXIT HGA KEEP OUT ZONE		
6616	M1O	03-362/18:34:23.6		NOTE: Exit Earth Occultation 9040		03-362/18:25:23.3
6617	M1O	03-362/18:34:23.6	54	Acquisition Of X-Band Signal		
6618	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		
6619	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		
6620	M1O	03-362/18:35:53.4		NOTE: Exit Planetary Atmosphere 9040		03-362/18:26:53.1
6621	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
6622	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		
6623	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
6624	M1O	03-362/18:45:39.7		NOTE: Descending Node Crossing 9041		03-362/18:36:39.4
6625	M1O	03-362/19:15:01.9		NOTE: South Pole Crossing 9041		03-362/19:06:01.5
6626	M1O	03-362/19:16:34.8		NOTE: Periapsis 9041 ----------		03-362/19:07:34.4
6627	M1O	03-362/19:20:00.0	14	Begin Pre-Cal		
6628	M1O	03-362/19:20:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
6629	M1O	03-362/19:20:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
6630	M1O	03-362/19:20:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
6631	M1O	03-362/19:20:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
6632	M1O	03-362/19:20:00.0	14	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
6633	M1O	03-362/19:20:00.0	14	Config: RCV: Parms:		
6634	M1O	03-362/19:20:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
6635	M1O	03-362/19:20:00.0	14	Config: TGC: BAND=X, SR=79632.000000		
6636	M1O	03-362/19:20:00.0	14	Config: TXL		
6637	M1O	03-362/19:20:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
6638	M1O	03-362/19:20:00.0	14	Config: CMD		
6639	M1O	03-362/19:20:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
6640	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
6641	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
6642	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		
6643	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
6644	M1O	03-362/19:30:11.5		CALL, Engine = , Parameters = 56	get_cmd_opt	03-362/19:21:11.1
6645	M1O	03-362/19:30:11.8		CALL, Engine = , Parameters = 362, 03, 056	bld_autosw	03-362/19:21:11.4
6646	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
6647	M1O	03-362/19:30:14.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass03_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/19:21:13.6
6648	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
6649	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
6650	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
6651	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
6652	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
6653	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
6654	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
6655	M1O	03-362/19:30:22.4		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-362/19:21:22.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy362_pass03_file05.dat, d:/dat/autoswitch.dat		
6656	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
6657	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
6658	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
6659	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
6660	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
6661	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
6662	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
6663	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
6664	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
6665	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
6666	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
6667	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
6668	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
6669	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
6670	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
6671	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
6672	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
6673	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
6674	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
6675	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
6676	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
6677	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
6678	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
6679	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
6680	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
6681	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
6682	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
6683	M1O	03-362/19:30:51.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy362_pass03_file19.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-362/19:21:51.4
6684	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
6685	M1O	03-362/19:30:53.8		CALL, Engine = , Parameters = 56	get_apid	03-362/19:21:53.4
6686	M1O	03-362/19:30:54.9		CALL, Engine = , Parameters = 56	get_rcv_mode	03-362/19:21:54.5
6687	M1O	03-362/19:30:55.1		CALL, Engine = , Parameters = 56	get_dl_rate	03-362/19:21:54.7
6688	M1O	03-362/19:30:56.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-362/19:21:55.8
6689	M1O	03-362/19:30:57.4		CALL, Engine = , Parameters = 56	get_coding	03-362/19:21:57.0
6690	M1O	03-362/19:30:58.6		CALL, Engine = , Parameters = 56	get_xmt_mode	03-362/19:21:58.2
6691	M1O	03-362/19:30:59.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-362/19:21:59.4
6692	M1O	03-362/19:31:17.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
6693	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
6694	M1O	03-362/19:32:05.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-362/19:23:05.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6695	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
6696	M1O	03-362/19:32:07.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-362/19:23:07.2
6697	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
6698	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
6699	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
6700	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
6701	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
6702	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
6703	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
6704	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
6705	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
6706	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
6707	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
6708	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
6709	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
6710	M1O	03-362/19:41:17.0	54	Range Modulation Off		
6711	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
6712	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
6713	M1O	03-362/19:43:34.1		NOTE: Enter Solar Eclipse 9041		03-362/19:34:33.6
6714	M1O	03-362/19:44:20.1		NOTE: Ascending Node Crossing 9041		03-362/19:35:19.6
6715	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
6716	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
6717	M1O	03-362/19:46:17.0	54	X-Band Transmitter Off		
6718	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
6719	M1O	03-362/19:47:12.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-362/19:38:12.2
6720	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
6721	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
6722	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
6723	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
6724	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
6725	M1O	03-362/19:53:12.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	03-362/19:44:12.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				BYPASS_COD, PSK		
6726	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
6727	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
6728	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
6729	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
6730	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
6731	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
6732	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
6733	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
6734	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
6735	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
6736	M1O	03-362/20:03:15.6		SPAWN, Engine = 65535, Parameters = 3, 00:34:40.267, 1	dpt	03-362/19:54:15.0
6737	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
6738	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
6739	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
6740	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
6741	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		
6742	M1O	03-362/20:04:19.5		NOTE: ENTER HGA KEEP OUT ZONE		
6743	M1O	03-362/20:04:19.5	54	NOTE: Loss Of X-Band Signal		
6744	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
6745	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
6746	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
6747	M1O	03-362/20:04:22.8		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-362/19:55:22.3
6748	M1O	03-362/20:05:28.0		NOTE: Exit Solar Eclipse 9041		03-362/19:56:27.4
6749	M1O	03-362/20:11:51.1		NOTE: Enter Planetary Atmosphere 9041		03-362/20:02:50.5
6750	M1O	03-362/20:13:19.5		NOTE: Enter Earth Occultation 9041		03-362/20:04:18.9
6751	M1O	03-362/20:14:14.1		NOTE: North Pole Crossing 9041		03-362/20:05:13.5
6752	M1O	03-362/20:16:31.2		NOTE: Apoapsis 9041 -		03-362/20:07:30.6
6753	M1O	03-362/20:20:00.0	14	Begin Tracking		
6754	M1O	03-362/20:20:00.4		NOTE: Changing to 70M downlink rate: 110600_BPS		03-362/20:10:59.8
6755	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
6756	M1O	03-362/20:25:19.6		NOTE: EXIT HGA KEEP OUT ZONE		
6757	M1O	03-362/20:28:17.0	14	NOTE: Above Uplink Interlock Limit		
6758	M1O	03-362/20:30:00.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6759	M1O	03-362/20:32:57.9		NOTE: Exit Earth Occultation 9041		03-362/20:23:57.3
6760	M1O	03-362/20:32:57.9	14	Acquisition Of X-Band Signal		
6761	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6762	M1O	03-362/20:32:57.9	54	Acquisition Of X-Band Signal		
6763	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		
6764	M1O	03-362/20:34:27.3		NOTE: Exit Planetary Atmosphere 9041		03-362/20:25:26.6
6765	M1O	03-362/20:35:00.0	14	Range Modulation On: SUP=3.0dB		
6766	M1O	03-362/20:36:00.0	14	Begin Ranging Acquisition		
6767	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
6768	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		
6769	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		
6770	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
6771	M1O	03-362/20:44:11.9		NOTE: Descending Node Crossing 9042		03-362/20:35:11.2
6772	M1O	03-362/20:46:58.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-362/20:37:58.0
6773	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
6774	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		
6775	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		
6776	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
6777	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		
6778	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		
6779	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
6780	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		
6781	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		
6782	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
6783	M1O	03-362/21:13:33.1		NOTE: South Pole Crossing 9042		03-362/21:04:32.4
6784	M1O	03-362/21:15:01.5		NOTE: Periapsis 9042 ----------		03-362/21:06:00.7
6785	M1O	03-362/21:29:49.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
6786	M1O	03-362/21:39:49.0	14	Range Modulation Off		
6787	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
6788	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
6789	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		
6790	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		
6791	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
6792	M1O	03-362/21:41:20.9		CALL, Engine = , Parameters = 56	get_cmd_opt	03-362/21:32:20.1
6793	M1O	03-362/21:41:21.2		CALL, Engine = , Parameters = 362, 04, 056	bld_autosw	03-362/21:32:20.4
6794	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
6795	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
6796	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
6797	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
6798	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6799	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
6800	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
6801	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
6802	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
6803	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
6804	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
6805	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
6806	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
6807	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
6808	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
6809	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
6810	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
6811	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
6812	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
6813	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
6814	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
6815	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
6816	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
6817	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
6818	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
6819	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
6820	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
6821	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
6822	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
6823	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
6824	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
6825	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
6826	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
6827	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
6828	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
6829	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
6830	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
6831	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
6832	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
6833	M1O	03-362/21:42:03.2		CALL, Engine = , Parameters = 56	get_apid	03-362/21:33:02.4
6834	M1O	03-362/21:42:04.3		CALL, Engine = , Parameters = 56	get_rcv_mode	03-362/21:33:03.5
6835	M1O	03-362/21:42:04.4		NOTE: Enter Solar Eclipse 9042		03-362/21:33:03.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6836	M1O	03-362/21:42:04.5		CALL, Engine = , Parameters = 56	get_dl_rate	03-362/21:33:03.7
6837	M1O	03-362/21:42:05.6		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-362/21:33:04.8
6838	M1O	03-362/21:42:06.8		CALL, Engine = , Parameters = 56	get_coding	03-362/21:33:06.0
6839	M1O	03-362/21:42:08.0		CALL, Engine = , Parameters = 56	get_xmt_mode	03-362/21:33:07.2
6840	M1O	03-362/21:42:09.2		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-362/21:33:08.4
6841	M1O	03-362/21:42:50.7		NOTE: Ascending Node Crossing 9042		03-362/21:33:49.9
6842	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
6843	M1O	03-362/21:43:15.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-362/21:34:14.2
6844	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
6845	M1O	03-362/21:43:17.0		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-362/21:34:16.2
6846	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
6847	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
6848	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
6849	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
6850	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
6851	M1O	03-362/21:44:49.0	14	X-Band Transmitter Off		
6852	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
6853	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
6854	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
6855	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
6856	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
6857	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
6858	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
6859	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
6860	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
6861	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		
6862	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		
6863	M1O	03-362/21:48:51.8		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-362/21:39:50.9
6864	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
6865	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		
6866	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		
6867	M1O	03-362/22:00:00.0	54	End Tracking		
6868	M1O	03-362/22:01:47.9		SPAWN, Engine = 65535, Parameters = 3, 00:35:10, 1	dpt	03-362/21:52:47.0
6869	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
6870	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		
6871	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
6872	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6873	M1O	03-362/22:02:51.8		NOTE: ENTER HGA KEEP OUT ZONE		
6874	M1O	03-362/22:02:51.8	14	NOTE: Loss Of X-Band Signal		
6875	M1O	03-362/22:03:57.3		NOTE: Exit Solar Eclipse 9042		03-362/21:54:56.4
6876	M1O	03-362/22:10:23.5		NOTE: Enter Planetary Atmosphere 9042		03-362/22:01:22.5
6877	M1O	03-362/22:11:52.1		NOTE: Enter Earth Occultation 9042		03-362/22:02:51.1
6878	M1O	03-362/22:12:45.3		NOTE: North Pole Crossing 9042		03-362/22:03:44.4
6879	M1O	03-362/22:13:59.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6880	M1O	03-362/22:14:52.5		NOTE: Apoapsis 9042 -		03-362/22:05:51.6
6881	M1O	03-362/22:15:00.0	54	End Post-Cal		
6882	M1O	03-362/22:18:59.0	14	Range Modulation On: SUP=3.0dB		
6883	M1O	03-362/22:19:59.0	14	Begin Ranging Acquisition		
6884	M1O	03-362/22:23:51.9		NOTE: EXIT HGA KEEP OUT ZONE		
6885	M1O	03-362/22:31:28.2		NOTE: Exit Earth Occultation 9042		03-362/22:22:27.2
6886	M1O	03-362/22:31:28.2	14	Acquisition Of X-Band Signal		
6887	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		
6888	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		
6889	M1O	03-362/22:32:57.8		NOTE: Exit Planetary Atmosphere 9042		03-362/22:23:56.8
6890	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
6891	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		
6892	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
6893	M1O	03-362/22:42:43.6		NOTE: Descending Node Crossing 9043		03-362/22:33:42.6
6894	M1O	03-362/23:12:04.7		NOTE: South Pole Crossing 9043		03-362/23:03:03.6
6895	M1O	03-362/23:13:11.9		NOTE: Periapsis 9043 ----------		03-362/23:04:10.7
6896	M1O	03-362/23:28:20.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
6897	M1O	03-362/23:38:20.0	14	Range Modulation Off		
6898	M1O	03-362/23:40:38.4		NOTE: Enter Solar Eclipse 9043		03-362/23:31:37.2
6899	M1O	03-362/23:41:22.9		NOTE: Ascending Node Crossing 9043		03-362/23:32:21.7
6900	M1O	03-362/23:43:20.0	14	X-Band Transmitter Off		
6901	M1O	03-363/00:00:00.0		Light Time: OWLT = 09:01, RTLT = 18:02		
6902	M1O	03-363/00:00:18.2		SPAWN, Engine = 65535, Parameters = 3, 00:35:09.199, 1	dpt	03-362/23:51:16.9
6903	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
6904	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		
6905	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
6906	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		
6907	M1O	03-363/00:01:23.2		NOTE: ENTER HGA KEEP OUT ZONE		
6908	M1O	03-363/00:01:23.2	14	NOTE: Loss Of X-Band Signal		
6909	M1O	03-363/00:02:25.0		NOTE: Exit Solar Eclipse 9043		03-362/23:53:23.7
6910	M1O	03-363/00:09:01.7		NOTE: Enter Planetary Atmosphere 9043		03-363/00:00:00.4
6911	M1O	03-363/00:10:30.9		NOTE: Enter Earth Occultation 9043		03-363/00:01:29.6
6912	M1O	03-363/00:11:18.6		NOTE: North Pole Crossing 9043		03-363/00:02:17.3
6913	M1O	03-363/00:12:27.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6914	M1O	03-363/00:13:06.5		NOTE: Apoapsis 9043 -		03-363/00:04:05.2
6915	M1O	03-363/00:17:27.0	14	Range Modulation On: SUP=3.0dB		
6916	M1O	03-363/00:18:27.0	14	Begin Ranging Acquisition		
6917	M1O	03-363/00:22:23.3		NOTE: EXIT HGA KEEP OUT ZONE		
6918	M1O	03-363/00:29:57.9		NOTE: Exit Earth Occultation 9043		03-363/00:20:56.6
6919	M1O	03-363/00:29:57.9	14	Acquisition Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6920	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		
6921	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		
6922	M1O	03-363/00:31:28.2		NOTE: Exit Planetary Atmosphere 9043		03-363/00:22:26.8
6923	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
6924	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		
6925	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
6926	M1O	03-363/00:41:17.6		NOTE: Descending Node Crossing 9044		03-363/00:32:16.2
6927	M1O	03-363/01:10:40.0		NOTE: South Pole Crossing 9044		03-363/01:01:38.5
6928	M1O	03-363/01:11:54.4		NOTE: Periapsis 9044 ----------		03-363/01:02:52.9
6929	M1O	03-363/01:26:53.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
6930	M1O	03-363/01:36:53.0	14	Range Modulation Off		
6931	M1O	03-363/01:39:15.5		NOTE: Enter Solar Eclipse 9044		03-363/01:30:13.9
6932	M1O	03-363/01:39:59.3		NOTE: Ascending Node Crossing 9044		03-363/01:30:57.7
6933	M1O	03-363/01:41:53.0	14	X-Band Transmitter Off		
6934	M1O	03-363/01:58:53.7		SPAWN, Engine = 65535, Parameters = 3, 00:35:07, 1	dpt	03-363/01:49:52.1
6935	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
6936	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		
6937	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
6938	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		
6939	M1O	03-363/01:59:57.6		NOTE: ENTER HGA KEEP OUT ZONE		
6940	M1O	03-363/01:59:57.6	14	NOTE: Loss Of X-Band Signal		
6941	M1O	03-363/02:00:58.6		NOTE: Exit Solar Eclipse 9044		03-363/01:51:56.9
6942	M1O	03-363/02:07:40.0		NOTE: Enter Planetary Atmosphere 9044		03-363/01:58:38.3
6943	M1O	03-363/02:09:09.6		NOTE: Enter Earth Occultation 9044		03-363/02:00:08.0
6944	M1O	03-363/02:09:54.6		NOTE: North Pole Crossing 9044		03-363/02:00:53.0
6945	M1O	03-363/02:11:00.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
6946	M1O	03-363/02:12:02.2		NOTE: Apoapsis 9044 -		03-363/02:03:00.5
6947	M1O	03-363/02:16:00.0	14	Range Modulation On: SUP=3.0dB		
6948	M1O	03-363/02:17:00.0	14	Begin Ranging Acquisition		
6949	M1O	03-363/02:20:57.6		NOTE: EXIT HGA KEEP OUT ZONE		
6950	M1O	03-363/02:28:31.0		NOTE: Exit Earth Occultation 9044		03-363/02:19:29.3
6951	M1O	03-363/02:28:31.0	14	Acquisition Of X-Band Signal		
6952	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		
6953	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, ANT=HGA		
6954	M1O	03-363/02:30:01.5		NOTE: Exit Planetary Atmosphere 9044		03-363/02:20:59.8
6955	M1O	03-363/02:30:02.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
6956	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
6957	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		
6958	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
6959	M1O	03-363/02:39:53.7		NOTE: Descending Node Crossing 9045		03-363/02:30:52.0
6960	M1O	03-363/02:40:02.0	14	Range Modulation Off		
6961	M1O	03-363/02:45:02.0	14	X-Band Transmitter Off		
6962	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
6963	M1O	03-363/02:52:54.8		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-363/02:43:53.1
6964	M1O	03-363/02:52:55.8		Forces a desaturation of the reaction wheels.	RW_DESAT	03-363/02:43:54.1
6965	M1O	03-363/02:54:54.7		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-363/02:45:53.0
6966	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
6967	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
6968	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
6969	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
6970	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
6971	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
6972	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
6973	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		
6974	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
6975	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		
6976	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
6977	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
6978	M1O	03-363/03:02:33.6	14	D/L RF Warning: SC antenna change - expect signal level variation		
6979	M1O	03-363/03:02:34.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-363/02:53:32.8
6980	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		
6981	M1O	03-363/03:04:25.9		CALL, Engine = , Parameters = FALSE	park_hga	03-363/02:55:24.1
6982	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
6983	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
6984	M1O	03-363/03:04:27.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-363/02:55:26.1
6985	M1O	03-363/03:04:27.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-363/02:55:26.1
6986	M1O	03-363/03:04:27.9		NOTE: START HGA PARK		
6987	M1O	03-363/03:04:27.9	14	NOTE: Loss Of X-Band Signal		
6988	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
6989	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
6990	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
6991	M1O	03-363/03:09:17.2		NOTE: South Pole Crossing 9045		03-363/03:00:15.3
6992	M1O	03-363/03:11:00.2		NOTE: Periapsis 9045 ----------		03-363/03:01:58.3
6993	M1O	03-363/03:12:29.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-363/03:03:28.1
6994	M1O	03-363/03:12:29.9		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-363/03:03:28.1
6995	M1O	03-363/03:37:51.5		NOTE: Enter Solar Eclipse 9045		03-363/03:28:49.5
6996	M1O	03-363/03:38:36.6		NOTE: Ascending Node Crossing 9045		03-363/03:29:34.7
6997	M1O	03-363/03:42:29.9		GV: GV_DESAT_ACTIVE = 1		03-363/03:33:28.0
6998	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
6999	M1O	03-363/03:42:30.9		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-363/03:33:29.0
7000	M1O	03-363/03:52:29.9		GV: GV_DESAT_ACTIVE = 0		03-363/03:43:28.0
7001	M1O	03-363/03:52:30.9		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	03-363/03:43:29.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_desat_stop.cfg		
7002	M1O	03-363/03:52:31.9		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-363/03:43:30.0
7003	M1O	03-363/03:52:32.9		CALL, Engine = , Parameters =	unpark_hga	03-363/03:43:31.0
7004	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
7005	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
7006	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
7007	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
7008	M1O	03-363/03:58:53.9		NOTE: ENTER HGA KEEP OUT ZONE		
7009	M1O	03-363/03:59:35.4		NOTE: Exit Solar Eclipse 9045		03-363/03:50:33.4
7010	M1O	03-363/04:01:04.9		NOTE: EXIT HGA PARK		
7011	M1O	03-363/04:06:16.6		NOTE: Enter Planetary Atmosphere 9045		03-363/03:57:14.6
7012	M1O	03-363/04:07:46.3		NOTE: Enter Earth Occultation 9045		03-363/03:58:44.3
7013	M1O	03-363/04:08:31.5		NOTE: North Pole Crossing 9045		03-363/03:59:29.4
7014	M1O	03-363/04:09:34.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7015	M1O	03-363/04:11:15.0		NOTE: Apoapsis 9045 -		03-363/04:02:13.0
7016	M1O	03-363/04:14:34.0	14	Range Modulation On: SUP=3.0dB		
7017	M1O	03-363/04:15:00.0	43	Begin Pre-Cal		
7018	M1O	03-363/04:15:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
7019	M1O	03-363/04:15:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
7020	M1O	03-363/04:15:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
7021	M1O	03-363/04:15:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
7022	M1O	03-363/04:15:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
7023	M1O	03-363/04:15:00.0	43	Config: RCV: Parms:		
7024	M1O	03-363/04:15:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
7025	M1O	03-363/04:15:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
7026	M1O	03-363/04:15:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
7027	M1O	03-363/04:15:34.0	14	Begin Ranging Acquisition		
7028	M1O	03-363/04:19:34.0		NOTE: EXIT HGA KEEP OUT ZONE		
7029	M1O	03-363/04:26:41.1		SPAWN, Engine = 65535, Parameters = 00:05:31.091	cstr	03-363/04:17:39.0
7030	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
7031	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
7032	M1O	03-363/04:26:43.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-363/04:17:41.1
7033	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
7034	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
7035	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
7036	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
7037	M1O	03-363/04:27:06.1		NOTE: Exit Earth Occultation 9045		03-363/04:18:04.0
7038	M1O	03-363/04:27:06.1	14	Acquisition Of X-Band Signal		
7039	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		
7040	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		
7041	M1O	03-363/04:28:36.7		NOTE: Exit Planetary Atmosphere 9045		03-363/04:19:34.7
7042	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
7043	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
7044	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7045	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
7046	M1O	03-363/04:38:30.7		NOTE: Descending Node Crossing 9046		03-363/04:29:28.6
7047	M1O	03-363/05:07:53.9		NOTE: South Pole Crossing 9046		03-363/04:58:51.7
7048	M1O	03-363/05:09:55.8		NOTE: Periapsis 9046 ----------		03-363/05:00:53.6
7049	M1O	03-363/05:24:25.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
7050	M1O	03-363/05:30:00.0	43	Begin Tracking		
7051	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		
7052	M1O	03-363/05:34:25.0	14	Range Modulation Off		
7053	M1O	03-363/05:36:25.3		NOTE: Enter Solar Eclipse 9046		03-363/05:27:23.0
7054	M1O	03-363/05:37:12.5		NOTE: Ascending Node Crossing 9046		03-363/05:28:10.2
7055	M1O	03-363/05:39:25.0	14	X-Band Transmitter Off		
7056	M1O	03-363/05:46:55.3	14	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
7057	M1O	03-363/05:56:26.5		SPAWN, Engine = 65535, Parameters = 3, 00:34:14.259, 1	dpt	03-363/05:47:24.1
7058	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
7059	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		
7060	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		
7061	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
7062	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		
7063	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		
7064	M1O	03-363/05:57:30.3		NOTE: ENTER HGA KEEP OUT ZONE		
7065	M1O	03-363/05:57:30.3	14	NOTE: Loss Of X-Band Signal		
7066	M1O	03-363/05:57:30.3	43	NOTE: Loss Of X-Band Signal		
7067	M1O	03-363/05:58:12.3		NOTE: Exit Solar Eclipse 9046		03-363/05:49:09.9
7068	M1O	03-363/06:04:50.6		NOTE: Enter Planetary Atmosphere 9046		03-363/05:55:48.2
7069	M1O	03-363/06:05:00.0	14	End Tracking		
7070	M1O	03-363/06:06:20.2		NOTE: Enter Earth Occultation 9046		03-363/05:57:17.8
7071	M1O	03-363/06:07:07.3		NOTE: North Pole Crossing 9046		03-363/05:58:05.0
7072	M1O	03-363/06:09:58.5		NOTE: Apoapsis 9046 -		03-363/06:00:56.1
7073	M1O	03-363/06:18:10.4		NOTE: EXIT HGA KEEP OUT ZONE		
7074	M1O	03-363/06:20:00.0	14	End Post-Cal		
7075	M1O	03-363/06:25:42.8		NOTE: Exit Earth Occultation 9046		03-363/06:16:40.4
7076	M1O	03-363/06:25:42.8	43	Acquisition Of X-Band Signal		
7077	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		
7078	M1O	03-363/06:27:13.3		NOTE: Exit Planetary Atmosphere 9046		03-363/06:18:10.9
7079	M1O	03-363/06:27:52.4		SPAWN, Engine = 65535, Parameters = 363, 01, TRUE, 00:07:55.297, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-363/06:18:50.0
7080	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
7081	M1O	03-363/06:27:55.5		CALL, Engine = , Parameters = 56	get_cmd_opt	03-363/06:18:53.1
7082	M1O	03-363/06:27:55.8		CALL, Engine = , Parameters = 363, 01, 056	bld_autosw	03-363/06:18:53.4
7083	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
7084	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
7085	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
7086	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7087	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
7088	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
7089	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
7090	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
7091	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
7092	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
7093	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
7094	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
7095	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
7096	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
7097	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
7098	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
7099	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
7100	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
7101	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
7102	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
7103	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
7104	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
7105	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
7106	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
7107	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
7108	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
7109	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
7110	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
7111	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
7112	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
7113	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
7114	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
7115	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
7116	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
7117	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
7118	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
7119	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
7120	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
7121	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
7122	M1O	03-363/06:28:37.8		CALL, Engine = , Parameters = 56	get_apid	03-363/06:19:35.4
7123	M1O	03-363/06:28:38.9		CALL, Engine = , Parameters = 56	get_rcv_mode	03-363/06:19:36.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7124	M1O	03-363/06:28:39.1		CALL, Engine = , Parameters = 56	get_dl_rate	03-363/06:19:36.7
7125	M1O	03-363/06:28:40.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-363/06:19:37.8
7126	M1O	03-363/06:28:41.4		CALL, Engine = , Parameters = 56	get_coding	03-363/06:19:39.0
7127	M1O	03-363/06:28:42.6		CALL, Engine = , Parameters = 56	get_xmt_mode	03-363/06:19:40.2
7128	M1O	03-363/06:28:43.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-363/06:19:41.4
7129	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
7130	M1O	03-363/06:29:49.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-363/06:20:47.2
7131	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
7132	M1O	03-363/06:29:51.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-363/06:20:49.2
7133	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
7134	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
7135	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
7136	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
7137	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		
7138	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
7139	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		
7140	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
7141	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
7142	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
7143	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
7144	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
7145	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
7146	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
7147	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
7148	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
7149	M1O	03-363/06:37:06.8		NOTE: Descending Node Crossing 9047		03-363/06:28:04.3
7150	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
7151	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
7152	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
7153	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
7154	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
7155	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		
7156	M1O	03-363/06:38:02.0		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-363/06:28:59.5
7157	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
7158	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		
7159	M1O	03-363/07:06:28.7		NOTE: South Pole Crossing 9047		03-363/06:57:26.2
7160	M1O	03-363/07:08:24.8		NOTE: Periapsis 9047 ----------		03-363/06:59:22.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7161	M1O	03-363/07:09:02.5		SPAWN, Engine = 65535, Parameters =	scdiag	03-363/07:00:00.0
7162	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
7163	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
7164	M1O	03-363/07:10:05.5		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-363/07:01:03.0
7165	M1O	03-363/07:10:05.7		NOTE: Start Block fsw_diag		03-363/07:01:03.2
7166	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
7167	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
7168	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
7169	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
7170	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
7171	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
7172	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
7173	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
7174	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
7175	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
7176	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
7177	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
7178	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
7179	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
7180	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
7181	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
7182	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
7183	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
7184	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
7185	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
7186	M1O	03-363/07:13:16.7		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-363/07:04:14.2
7187	M1O	03-363/07:13:27.7		NOTE: End Block fsw_diag.mod		03-363/07:04:25.2
7188	M1O	03-363/07:34:57.0		NOTE: Enter Solar Eclipse 9047		03-363/07:25:54.4
7189	M1O	03-363/07:35:46.0		NOTE: Ascending Node Crossing 9047		03-363/07:26:43.4
7190	M1O	03-363/07:54:44.7		SPAWN, Engine = 65535, Parameters = 3, 00:34:31.728, 1	dpt	03-363/07:45:42.0
7191	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
7192	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		
7193	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
7194	M1O	03-363/07:55:46.7		NOTE: ENTER HGA KEEP OUT ZONE		
7195	M1O	03-363/07:55:46.7	43	NOTE: Loss Of X-Band Signal		
7196	M1O	03-363/07:56:47.8		NOTE: Exit Solar Eclipse 9047		03-363/07:47:45.1
7197	M1O	03-363/08:03:20.4		NOTE: Enter Planetary Atmosphere 9047		03-363/07:54:17.7
7198	M1O	03-363/08:04:49.6		NOTE: Enter Earth Occultation 9047		03-363/07:55:46.9
7199	M1O	03-363/08:05:40.7		NOTE: North Pole Crossing 9047		03-363/07:56:37.9
7200	M1O	03-363/08:08:13.3		NOTE: Apoapsis 9047 -		03-363/07:59:10.5
7201	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
7202	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
7203	M1O	03-363/08:13:43.8		CALL, Engine = , Parameters = 56	get_cmd_opt	03-363/08:04:41.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7204	M1O	03-363/08:13:44.1		CALL, Engine = , Parameters = 363, 02, 056	bld_autosw	03-363/08:04:41.4
7205	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
7206	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
7207	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
7208	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
7209	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
7210	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
7211	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
7212	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
7213	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
7214	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
7215	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
7216	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
7217	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
7218	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
7219	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
7220	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
7221	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
7222	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
7223	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
7224	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
7225	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
7226	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
7227	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
7228	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
7229	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
7230	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
7231	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
7232	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
7233	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
7234	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
7235	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
7236	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
7237	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
7238	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
7239	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7240	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
7241	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
7242	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
7243	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
7244	M1O	03-363/08:14:26.1		CALL, Engine = , Parameters = 56	get_apid	03-363/08:05:23.4
7245	M1O	03-363/08:14:27.2		CALL, Engine = , Parameters = 56	get_rcv_mode	03-363/08:05:24.5
7246	M1O	03-363/08:14:27.4		CALL, Engine = , Parameters = 56	get_dl_rate	03-363/08:05:24.7
7247	M1O	03-363/08:14:28.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-363/08:05:25.8
7248	M1O	03-363/08:14:29.7		CALL, Engine = , Parameters = 56	get_coding	03-363/08:05:27.0
7249	M1O	03-363/08:14:30.9		CALL, Engine = , Parameters = 56	get_xmt_mode	03-363/08:05:28.2
7250	M1O	03-363/08:14:32.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-363/08:05:29.4
7251	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
7252	M1O	03-363/08:15:37.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-363/08:06:35.2
7253	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
7254	M1O	03-363/08:15:39.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-363/08:06:37.2
7255	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
7256	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
7257	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
7258	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
7259	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
7260	M1O	03-363/08:16:46.7		NOTE: EXIT HGA KEEP OUT ZONE		
7261	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
7262	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
7263	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
7264	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
7265	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
7266	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
7267	M1O	03-363/08:24:18.5		NOTE: Exit Earth Occultation 9047		03-363/08:15:15.7
7268	M1O	03-363/08:24:18.5	43	Acquisition Of X-Band Signal		
7269	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		
7270	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
7271	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
7272	M1O	03-363/08:25:48.6		NOTE: Exit Planetary Atmosphere 9047		03-363/08:16:45.8
7273	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
7274	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
7275	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
7276	M1O	03-363/08:28:45.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	03-363/08:19:42.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				BYPASS_COD, PSK		
7277	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
7278	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		
7279	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
7280	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		
7281	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
7282	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
7283	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
7284	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
7285	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
7286	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
7287	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
7288	M1O	03-363/08:35:39.6		NOTE: Descending Node Crossing 9048		03-363/08:26:36.7
7289	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
7290	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
7291	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
7292	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
7293	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
7294	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
7295	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
7296	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
7297	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
7298	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
7299	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
7300	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
7301	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
7302	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
7303	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
7304	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
7305	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7306	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		
7307	M1O	03-363/08:47:55.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-363/08:38:52.3
7308	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
7309	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		
7310	M1O	03-363/09:05:00.6		NOTE: South Pole Crossing 9048		03-363/08:55:57.7
7311	M1O	03-363/09:06:34.7		NOTE: Periapsis 9048 ----------		03-363/08:57:31.7
7312	M1O	03-363/09:33:29.0		NOTE: Enter Solar Eclipse 9048		03-363/09:24:26.0
7313	M1O	03-363/09:34:17.7		NOTE: Ascending Node Crossing 9048		03-363/09:25:14.7
7314	M1O	03-363/09:46:09.0		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-363/09:37:06.0
7315	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
7316	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
7317	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
7318	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
7319	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
7320	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
7321	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
7322	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		
7323	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
7324	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		
7325	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
7326	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
7327	M1O	03-363/09:53:47.8	43	D/L RF Warning: SC antenna change - expect signal level variation		
7328	M1O	03-363/09:53:48.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-363/09:44:45.8
7329	M1O	03-363/09:54:19.0		NOTE: ENTER HGA KEEP OUT ZONE		
7330	M1O	03-363/09:54:19.0	43	NOTE: Loss Of X-Band Signal		
7331	M1O	03-363/09:55:19.9		NOTE: Exit Solar Eclipse 9048		03-363/09:46:16.8
7332	M1O	03-363/10:01:49.8		NOTE: Enter Planetary Atmosphere 9048		03-363/09:52:46.7
7333	M1O	03-363/10:03:18.9		NOTE: Enter Earth Occultation 9048		03-363/09:54:15.8
7334	M1O	03-363/10:04:11.8		NOTE: North Pole Crossing 9048		03-363/09:55:08.7
7335	M1O	03-363/10:06:34.5		NOTE: Apoapsis 9048 -		03-363/09:57:31.4
7336	M1O	03-363/10:15:19.1		NOTE: EXIT HGA KEEP OUT ZONE		
7337	M1O	03-363/10:22:49.6		NOTE: Exit Earth Occultation 9048		03-363/10:13:46.4
7338	M1O	03-363/10:22:49.6	43	Acquisition Of X-Band Signal		
7339	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		
7340	M1O	03-363/10:24:19.6		NOTE: Exit Planetary Atmosphere 9048		03-363/10:15:16.5
7341	M1O	03-363/10:30:00.0	43	End Tracking		
7342	M1O	03-363/10:34:09.9		NOTE: Descending Node Crossing 9049		03-363/10:25:06.7
7343	M1O	03-363/10:45:00.0	43	End Post-Cal		
7344	M1O	03-363/11:03:31.6		NOTE: South Pole Crossing 9049		03-363/10:54:28.3
7345	M1O	03-363/11:04:57.3		NOTE: Periapsis 9049 ----------		03-363/10:55:54.0
7346	M1O	03-363/11:15:00.0	63	Begin Pre-Cal		
7347	M1O	03-363/11:15:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
7348	M1O	03-363/11:15:00.0	63	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
7349	M1O	03-363/11:15:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
7350	M1O	03-363/11:15:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
7351	M1O	03-363/11:15:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
7352	M1O	03-363/11:15:00.0	63	Config: RCV: Parms:		
7353	M1O	03-363/11:15:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
7354	M1O	03-363/11:15:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
7355	M1O	03-363/11:15:00.0	63	Config: TXL		
7356	M1O	03-363/11:15:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
7357	M1O	03-363/11:15:00.0	63	Config: CMD		
7358	M1O	03-363/11:15:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
7359	M1O	03-363/11:32:02.3		NOTE: Enter Solar Eclipse 9049		03-363/11:22:58.9
7360	M1O	03-363/11:32:49.8		NOTE: Ascending Node Crossing 9049		03-363/11:23:46.4
7361	M1O	03-363/11:52:49.4		NOTE: ENTER HGA KEEP OUT ZONE		
7362	M1O	03-363/11:53:47.9		NOTE: Exit Solar Eclipse 9049		03-363/11:44:44.4
7363	M1O	03-363/12:00:27.4		NOTE: Enter Planetary Atmosphere 9049		03-363/11:51:24.0
7364	M1O	03-363/12:01:57.3		NOTE: Enter Earth Occultation 9049		03-363/11:52:53.8
7365	M1O	03-363/12:02:44.6		NOTE: North Pole Crossing 9049		03-363/11:53:41.1
7366	M1O	03-363/12:05:14.9		NOTE: Apoapsis 9049 -		03-363/11:56:11.4
7367	M1O	03-363/12:13:49.5		NOTE: EXIT HGA KEEP OUT ZONE		
7368	M1O	03-363/12:21:17.9		NOTE: Exit Earth Occultation 9049		03-363/12:12:14.4
7369	M1O	03-363/12:22:48.7		NOTE: Exit Planetary Atmosphere 9049		03-363/12:13:45.1
7370	M1O	03-363/12:32:43.4		NOTE: Descending Node Crossing 9050		03-363/12:23:39.8
7371	M1O	03-363/12:44:35.1		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-363/12:35:31.5
7372	M1O	03-363/12:44:35.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	03-363/12:35:31.6
7373	M1O	03-363/12:44:36.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-363/12:35:32.6
7374	M1O	03-363/12:44:37.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-363/12:35:33.6
7375	M1O	03-363/12:44:38.2		Selects whether HGA or the LGA will be used for receipt of uplink commands.: HGA	RCVR_SELECT	03-363/12:35:34.6
7376	M1O	03-363/12:44:39.2		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	03-363/12:35:35.6
7377	M1O	03-363/12:44:49.2		Turns power OFF or ON to the SSPA assigned as active.: ON	SSPA_POWER	03-363/12:35:45.6
7378	M1O	03-363/12:44:59.2		Turns power OFF or ON to the SDST exciter on the active telecom side.: ON	SDST_EXCITER	03-363/12:35:55.6
7379	M1O	03-363/12:45:00.0	63	Begin Tracking		
7380	M1O	03-363/12:45:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7381	M1O	03-363/12:49:59.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-363/12:40:55.6
7382	M1O	03-363/12:50:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-363/12:40:56.6
7383	M1O	03-363/12:50:00.2	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7384	M1O	03-363/12:50:01.2		Creates a non-channelized telemetry packet for APID 1.	TIME_PCKT_CREATE	03-363/12:40:57.6
7385	M1O	03-363/12:57:48.0	63	NOTE: Above Uplink Interlock Limit		
7386	M1O	03-363/13:00:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7387	M1O	03-363/13:02:05.6		NOTE: South Pole Crossing 9050		03-363/12:53:02.0
7388	M1O	03-363/13:03:37.4		NOTE: Periapsis 9050 ----------		03-363/12:54:33.7
7389	M1O	03-363/13:05:00.0	63	Range Modulation On: SUP=3.0dB		
7390	M1O	03-363/13:06:00.0	63	Begin Ranging Acquisition		
7391	M1O	03-363/13:17:05.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-363/13:08:01.3
7392	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
7393	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		
7394	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7395	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		
7396	M1O	03-363/13:18:35.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
7397	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
7398	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		
7399	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
7400	M1O	03-363/13:28:35.0	63	Range Modulation Off		
7401	M1O	03-363/13:30:36.9		NOTE: Enter Solar Eclipse 9050		03-363/13:21:33.1
7402	M1O	03-363/13:31:24.3		NOTE: Ascending Node Crossing 9050		03-363/13:22:20.6
7403	M1O	03-363/13:33:35.0	63	X-Band Transmitter Off		
7404	M1O	03-363/13:50:40.1		SPAWN, Engine = 65535, Parameters = 3, 00:34:39, 1	dpt	03-363/13:41:36.3
7405	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
7406	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		
7407	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
7408	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		
7409	M1O	03-363/13:51:43.7		NOTE: ENTER HGA KEEP OUT ZONE		
7410	M1O	03-363/13:51:43.7	63	NOTE: Loss Of X-Band Signal		
7411	M1O	03-363/13:52:17.8		NOTE: Exit Solar Eclipse 9050		03-363/13:43:14.0
7412	M1O	03-363/13:59:08.8		NOTE: Enter Planetary Atmosphere 9050		03-363/13:50:05.0
7413	M1O	03-363/14:00:39.3		NOTE: Enter Earth Occultation 9050		03-363/13:51:35.5
7414	M1O	03-363/14:01:20.4		NOTE: North Pole Crossing 9050		03-363/13:52:16.6
7415	M1O	03-363/14:02:14.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7416	M1O	03-363/14:03:46.7		NOTE: Apoapsis 9050 -		03-363/13:54:42.9
7417	M1O	03-363/14:07:14.0	63	Range Modulation On: SUP=3.0dB		
7418	M1O	03-363/14:08:14.0	63	Begin Ranging Acquisition		
7419	M1O	03-363/14:12:23.8		NOTE: EXIT HGA KEEP OUT ZONE		
7420	M1O	03-363/14:19:50.0		NOTE: Exit Earth Occultation 9050		03-363/14:10:46.1
7421	M1O	03-363/14:19:50.0	63	Acquisition Of X-Band Signal		
7422	M1O	03-363/14:19:50.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7423	M1O	03-363/14:20:21.6	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7424	M1O	03-363/14:21:21.5		NOTE: Exit Planetary Atmosphere 9050		03-363/14:12:17.6
7425	M1O	03-363/14:25:21.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-363/14:16:17.4
7426	M1O	03-363/14:25:21.3	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
7427	M1O	03-363/14:25:22.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	03-363/14:16:18.4
7428	M1O	03-363/14:31:20.6		NOTE: Descending Node Crossing 9051		03-363/14:22:16.6
7429	M1O	03-363/15:00:42.7		NOTE: South Pole Crossing 9051		03-363/14:51:38.7
7430	M1O	03-363/15:02:17.2		NOTE: Periapsis 9051 ----------		03-363/14:53:13.2
7431	M1O	03-363/15:17:11.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
7432	M1O	03-363/15:27:11.0	63	Range Modulation Off		
7433	M1O	03-363/15:29:12.8		NOTE: Enter Solar Eclipse 9051		03-363/15:20:08.7
7434	M1O	03-363/15:30:00.9		NOTE: Ascending Node Crossing 9051		03-363/15:20:56.8
7435	M1O	03-363/15:32:11.0	63	X-Band Transmitter Off		
7436	M1O	03-363/15:49:16.5		SPAWN, Engine = 65535, Parameters = 3, 00:34:39, 1	dpt	03-363/15:40:12.3
7437	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7438	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		
7439	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
7440	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		
7441	M1O	03-363/15:50:20.1		NOTE: ENTER HGA KEEP OUT ZONE		
7442	M1O	03-363/15:50:20.1	63	NOTE: Loss Of X-Band Signal		
7443	M1O	03-363/15:50:52.6		NOTE: Exit Solar Eclipse 9051		03-363/15:41:48.4
7444	M1O	03-363/15:57:47.0		NOTE: Enter Planetary Atmosphere 9051		03-363/15:48:42.8
7445	M1O	03-363/15:59:17.7		NOTE: Enter Earth Occultation 9051		03-363/15:50:13.5
7446	M1O	03-363/15:59:57.3		NOTE: North Pole Crossing 9051		03-363/15:50:53.1
7447	M1O	03-363/16:00:50.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7448	M1O	03-363/16:02:12.9		NOTE: Apoapsis 9051 -		03-363/15:53:08.7
7449	M1O	03-363/16:05:50.0	63	Range Modulation On: SUP=3.0dB		
7450	M1O	03-363/16:06:50.0	63	Begin Ranging Acquisition		
7451	M1O	03-363/16:11:00.2		NOTE: EXIT HGA KEEP OUT ZONE		
7452	M1O	03-363/16:18:26.3		NOTE: Exit Earth Occultation 9051		03-363/16:09:22.0
7453	M1O	03-363/16:18:26.3	63	Acquisition Of X-Band Signal		
7454	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		
7455	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		
7456	M1O	03-363/16:19:57.9		NOTE: Exit Planetary Atmosphere 9051		03-363/16:10:53.7
7457	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
7458	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		
7459	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
7460	M1O	03-363/16:29:57.7		NOTE: Descending Node Crossing 9052		03-363/16:20:53.4
7461	M1O	03-363/16:59:19.9		NOTE: South Pole Crossing 9052		03-363/16:50:15.5
7462	M1O	03-363/17:00:49.9		NOTE: Periapsis 9052 ----------		03-363/16:51:45.5
7463	M1O	03-363/17:15:48.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
7464	M1O	03-363/17:25:48.0	63	Range Modulation Off		
7465	M1O	03-363/17:27:49.7		NOTE: Enter Solar Eclipse 9052		03-363/17:18:45.3
7466	M1O	03-363/17:28:38.0		NOTE: Ascending Node Crossing 9052		03-363/17:19:33.6
7467	M1O	03-363/17:30:48.0	63	X-Band Transmitter Off		
7468	M1O	03-363/17:47:53.8		SPAWN, Engine = 65535, Parameters = 3, 00:34:38.898, 1	dpt	03-363/17:38:49.3
7469	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
7470	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		
7471	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
7472	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		
7473	M1O	03-363/17:48:57.5		NOTE: ENTER HGA KEEP OUT ZONE		
7474	M1O	03-363/17:48:57.5	63	NOTE: Loss Of X-Band Signal		
7475	M1O	03-363/17:49:30.7		NOTE: Exit Solar Eclipse 9052		03-363/17:40:26.2
7476	M1O	03-363/17:56:20.3		NOTE: Enter Planetary Atmosphere 9052		03-363/17:47:15.7
7477	M1O	03-363/17:57:50.5		NOTE: Enter Earth Occultation 9052		03-363/17:48:46.0
7478	M1O	03-363/17:58:33.7		NOTE: North Pole Crossing 9052		03-363/17:49:29.1
7479	M1O	03-363/17:59:28.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7480	M1O	03-363/18:00:36.3		NOTE: Apoapsis 9052 -		03-363/17:51:31.7
7481	M1O	03-363/18:04:28.0	63	Range Modulation On: SUP=3.0dB		
7482	M1O	03-363/18:05:28.0	63	Begin Ranging Acquisition		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7483	M1O	03-363/18:09:37.5		NOTE: EXIT HGA KEEP OUT ZONE		
7484	M1O	03-363/18:17:04.5		NOTE: Exit Earth Occultation 9052		03-363/18:07:59.8
7485	M1O	03-363/18:17:04.5	63	Acquisition Of X-Band Signal		
7486	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		
7487	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		
7488	M1O	03-363/18:18:35.7		NOTE: Exit Planetary Atmosphere 9052		03-363/18:09:31.0
7489	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
7490	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		
7491	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
7492	M1O	03-363/18:28:33.1		NOTE: Descending Node Crossing 9053		03-363/18:19:28.5
7493	M1O	03-363/18:57:55.3		NOTE: South Pole Crossing 9053		03-363/18:48:50.5
7494	M1O	03-363/18:59:29.0		NOTE: Periapsis 9053 ----------		03-363/18:50:24.3
7495	M1O	03-363/19:14:22.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
7496	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
7497	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
7498	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		
7499	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
7500	M1O	03-363/19:21:41.9		CALL, Engine = , Parameters = 56	get_cmd_opt	03-363/19:12:37.1
7501	M1O	03-363/19:21:42.2		CALL, Engine = , Parameters = 363, 03, 056	bld_autosw	03-363/19:12:37.4
7502	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
7503	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
7504	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
7505	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
7506	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
7507	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
7508	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
7509	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
7510	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
7511	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
7512	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
7513	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
7514	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
7515	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
7516	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
7517	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
7518	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
7519	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

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7520	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
7521	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
7522	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
7523	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
7524	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
7525	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
7526	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
7527	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
7528	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
7529	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
7530	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
7531	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
7532	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
7533	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
7534	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
7535	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
7536	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
7537	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
7538	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
7539	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
7540	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
7541	M1O	03-363/19:22:24.2		CALL, Engine = , Parameters = 56	get_apid	03-363/19:13:19.4
7542	M1O	03-363/19:22:25.3		CALL, Engine = , Parameters = 56	get_rcv_mode	03-363/19:13:20.5
7543	M1O	03-363/19:22:25.5		CALL, Engine = , Parameters = 56	get_dl_rate	03-363/19:13:20.7
7544	M1O	03-363/19:22:26.6		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-363/19:13:21.8
7545	M1O	03-363/19:22:27.8		CALL, Engine = , Parameters = 56	get_coding	03-363/19:13:23.0
7546	M1O	03-363/19:22:29.0		CALL, Engine = , Parameters = 56	get_xmt_mode	03-363/19:13:24.2
7547	M1O	03-363/19:22:30.2		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-363/19:13:25.4
7548	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
7549	M1O	03-363/19:23:36.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-363/19:14:31.2
7550	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
7551	M1O	03-363/19:23:38.0		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-363/19:14:33.2
7552	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
7553	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
7554	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
7555	M1O	03-363/19:24:22.0	63	Range Modulation Off		
7556	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
7557	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
7558	M1O	03-363/19:26:24.4		NOTE: Enter Solar Eclipse 9053		03-363/19:17:19.6
7559	M1O	03-363/19:26:42.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK,	UHF_XMIT_MODE	03-363/19:17:37.2

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				CONV_VIT, DISABLE		
7560	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
7561	M1O	03-363/19:27:13.3		NOTE: Ascending Node Crossing 9053		03-363/19:18:08.5
7562	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
7563	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
7564	M1O	03-363/19:29:22.0	63	X-Band Transmitter Off		
7565	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
7566	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
7567	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
7568	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
7569	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
7570	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
7571	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
7572	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
7573	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
7574	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
7575	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
7576	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
7577	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
7578	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
7579	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
7580	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		
7581	M1O	03-363/19:40:26.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-363/19:31:22.0
7582	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
7583	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		
7584	M1O	03-363/19:46:29.3		SPAWN, Engine = 65535, Parameters = 3, 00:34:41, 1	dpt	03-363/19:37:24.4
7585	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
7586	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		
7587	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
7588	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		
7589	M1O	03-363/19:47:32.8		NOTE: ENTER HGA KEEP OUT ZONE		
7590	M1O	03-363/19:47:32.8	63	NOTE: Loss Of X-Band Signal		
7591	M1O	03-363/19:48:08.9		NOTE: Exit Solar Eclipse 9053		03-363/19:39:04.0
7592	M1O	03-363/19:54:49.3		NOTE: Enter Planetary Atmosphere 9053		03-363/19:45:44.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7593	M1O	03-363/19:56:19.0		NOTE: Enter Earth Occultation 9053		03-363/19:47:14.1
7594	M1O	03-363/19:57:07.8		NOTE: North Pole Crossing 9053		03-363/19:48:02.9
7595	M1O	03-363/19:58:03.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7596	M1O	03-363/19:59:19.1		NOTE: Apoapsis 9053 -		03-363/19:50:14.2
7597	M1O	03-363/20:03:03.0	63	Range Modulation On: SUP=3.0dB		
7598	M1O	03-363/20:04:03.0	63	Begin Ranging Acquisition		
7599	M1O	03-363/20:08:12.9		NOTE: EXIT HGA KEEP OUT ZONE		
7600	M1O	03-363/20:15:40.7		NOTE: Exit Earth Occultation 9053		03-363/20:06:35.7
7601	M1O	03-363/20:15:40.7	63	Acquisition Of X-Band Signal		
7602	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		
7603	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		
7604	M1O	03-363/20:17:11.3		NOTE: Exit Planetary Atmosphere 9053		03-363/20:08:06.3
7605	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
7606	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		
7607	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
7608	M1O	03-363/20:27:06.1		NOTE: Descending Node Crossing 9054		03-363/20:18:01.1
7609	M1O	03-363/20:56:27.7		NOTE: South Pole Crossing 9054		03-363/20:47:22.6
7610	M1O	03-363/20:58:02.6		NOTE: Periapsis 9054 ----------		03-363/20:48:57.5
7611	M1O	03-363/21:12:35.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
7612	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
7613	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
7614	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		
7615	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
7616	M1O	03-363/21:18:30.2		CALL, Engine = , Parameters = 56	get_cmd_opt	03-363/21:09:25.1
7617	M1O	03-363/21:18:30.5		CALL, Engine = , Parameters = 363, 04, 056	bld_autosw	03-363/21:09:25.4
7618	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
7619	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
7620	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
7621	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
7622	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
7623	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
7624	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
7625	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
7626	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
7627	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
7628	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
7629	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
7630	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
7631	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7632	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
7633	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
7634	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
7635	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
7636	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
7637	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
7638	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
7639	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
7640	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
7641	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
7642	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
7643	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
7644	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
7645	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
7646	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
7647	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
7648	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
7649	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
7650	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
7651	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
7652	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
7653	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
7654	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
7655	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
7656	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
7657	M1O	03-363/21:19:12.5		CALL, Engine = , Parameters = 56	get_apid	03-363/21:10:07.4
7658	M1O	03-363/21:19:13.6		CALL, Engine = , Parameters = 56	get_rcv_mode	03-363/21:10:08.5
7659	M1O	03-363/21:19:13.8		CALL, Engine = , Parameters = 56	get_dl_rate	03-363/21:10:08.7
7660	M1O	03-363/21:19:14.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-363/21:10:09.8
7661	M1O	03-363/21:19:16.1		CALL, Engine = , Parameters = 56	get_coding	03-363/21:10:11.0
7662	M1O	03-363/21:19:17.3		CALL, Engine = , Parameters = 56	get_xmt_mode	03-363/21:10:12.2
7663	M1O	03-363/21:19:18.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-363/21:10:13.4
7664	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
7665	M1O	03-363/21:20:24.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-363/21:11:19.2
7666	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
7667	M1O	03-363/21:20:26.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-363/21:11:21.2
7668	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
7669	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
7670	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
7671	M1O	03-363/21:21:19.3		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	03-363/21:12:14.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
7672	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
7673	M1O	03-363/21:22:35.0	63	Range Modulation Off		
7674	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
7675	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
7676	M1O	03-363/21:24:55.7		NOTE: Enter Solar Eclipse 9054		03-363/21:15:50.5
7677	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
7678	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
7679	M1O	03-363/21:25:45.4		NOTE: Ascending Node Crossing 9054		03-363/21:16:40.2
7680	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
7681	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
7682	M1O	03-363/21:27:35.0	63	X-Band Transmitter Off		
7683	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
7684	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
7685	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
7686	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
7687	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
7688	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
7689	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
7690	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
7691	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
7692	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
7693	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
7694	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
7695	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
7696	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
7697	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
7698	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		
7699	M1O	03-363/21:38:13.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-363/21:29:08.1
7700	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
7701	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		
7702	M1O	03-363/21:44:42.7		SPAWN, Engine = 65535, Parameters = 3, 00:35:00, 1	dpt	03-363/21:35:37.4
7703	M1O	03-363/21:44:44.8		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	03-363/21:35:39.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
7704	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		
7705	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
7706	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		
7707	M1O	03-363/21:45:46.2		NOTE: ENTER HGA KEEP OUT ZONE		
7708	M1O	03-363/21:45:46.2	63	NOTE: Loss Of X-Band Signal		
7709	M1O	03-363/21:46:41.9		NOTE: Exit Solar Eclipse 9054		03-363/21:37:36.6
7710	M1O	03-363/21:53:19.2		NOTE: Enter Planetary Atmosphere 9054		03-363/21:44:13.9
7711	M1O	03-363/21:54:48.7		NOTE: Enter Earth Occultation 9054		03-363/21:45:43.5
7712	M1O	03-363/21:55:39.6		NOTE: North Pole Crossing 9054		03-363/21:46:34.4
7713	M1O	03-363/21:56:35.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7714	M1O	03-363/21:57:58.6		NOTE: Apoapsis 9054 -		03-363/21:48:53.3
7715	M1O	03-363/22:01:35.0	63	Range Modulation On: SUP=3.0dB		
7716	M1O	03-363/22:02:35.0	63	Begin Ranging Acquisition		
7717	M1O	03-363/22:06:46.3		NOTE: EXIT HGA KEEP OUT ZONE		
7718	M1O	03-363/22:14:12.9		NOTE: Exit Earth Occultation 9054		03-363/22:05:07.5
7719	M1O	03-363/22:14:12.9	63	Acquisition Of X-Band Signal		
7720	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		
7721	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		
7722	M1O	03-363/22:15:43.4		NOTE: Exit Planetary Atmosphere 9054		03-363/22:06:38.1
7723	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
7724	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		
7725	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
7726	M1O	03-363/22:25:37.8		NOTE: Descending Node Crossing 9055		03-363/22:16:32.5
7727	M1O	03-363/22:54:58.6		NOTE: South Pole Crossing 9055		03-363/22:45:53.1
7728	M1O	03-363/22:56:18.2		NOTE: Periapsis 9055 ----------		03-363/22:47:12.7
7729	M1O	03-363/23:05:00.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
7730	M1O	03-363/23:15:00.0	63	Range Modulation Off		
7731	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
7732	M1O	03-363/23:19:15.5		Deletes the designated file.: d:/seq/cz055.abs	FILE_DELETE	03-363/23:10:10.0
7733	M1O	03-363/23:20:00.0	63	X-Band Transmitter Off		
7734	M1O	03-363/23:23:27.1		NOTE: Enter Solar Eclipse 9055		03-363/23:14:21.5
7735	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
7736	M1O	03-363/23:24:05.5		GV: GV_SPARE_14 = 2		03-363/23:15:00.0
7737	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
7738	M1O	03-363/23:24:10.5		GV: GV_SPARE_25 = 3		03-363/23:15:05.0
7739	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
7740	M1O	03-363/23:24:15.5		GV: GV_SPARE_28 = 1		03-363/23:15:10.0
7741	M1O	03-363/23:24:15.9		NOTE: Ascending Node Crossing 9055		03-363/23:15:10.3
7742	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
7743	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
7744	M1O	03-363/23:26:08.6		CALL, Engine = , Parameters = 253	get_cmd_opt	03-363/23:17:03.1
7745	M1O	03-363/23:26:48.8	63	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
7746	M1O	03-363/23:26:50.8		CALL, Engine = , Parameters = 253	get_apid	03-363/23:17:45.3
7747	M1O	03-363/23:26:51.9		CALL, Engine = , Parameters = 253	get_rcv_mode	03-363/23:17:46.4
7748	M1O	03-363/23:26:52.1		CALL, Engine = , Parameters = 253	get_dl_rate	03-363/23:17:46.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7749	M1O	03-363/23:26:53.2		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	03-363/23:17:47.7
7750	M1O	03-363/23:26:54.5		CALL, Engine = , Parameters = 253	get_coding	03-363/23:17:49.0
7751	M1O	03-363/23:26:55.7		CALL, Engine = , Parameters = 253	get_xmt_mode	03-363/23:17:50.2
7752	M1O	03-363/23:26:56.9		CALL, Engine = , Parameters = 253	get_cmd_beacon	03-363/23:17:51.4
7753	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
7754	M1O	03-363/23:28:02.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-363/23:18:57.2
7755	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
7756	M1O	03-363/23:28:04.7		Selects receiving spacecraft ID.: 253	UHF_SC_ID	03-363/23:18:59.2
7757	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
7758	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
7759	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
7760	M1O	03-363/23:29:59.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-363/23:20:54.0
7761	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
7762	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
7763	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
7764	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
7765	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
7766	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
7767	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
7768	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		
7769	M1O	03-363/23:31:40.0	63	NOTE: Below Uplink Interlock Limit		
7770	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
7771	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		
7772	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
7773	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
7774	M1O	03-363/23:37:38.3	63	D/L RF Warning: SC antenna change - expect signal level variation		
7775	M1O	03-363/23:37:39.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-363/23:28:33.8
7776	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		
7777	M1O	03-363/23:40:00.0	24	Begin Pre-Cal		
7778	M1O	03-363/23:40:00.0	24	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
7779	M1O	03-363/23:40:00.0	24	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
7780	M1O	03-363/23:40:00.0	24	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
7781	M1O	03-363/23:40:00.0	24	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
7782	M1O	03-363/23:40:00.0	24	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
7783	M1O	03-363/23:40:00.0	24	Config: RCV: Parms:		
7784	M1O	03-363/23:40:00.0	24	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
7785	M1O	03-363/23:40:00.0	24	Config: TGC: BAND=X, SR=221200.000000		
7786	M1O	03-363/23:40:00.0	24	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
7787	M1O	03-363/23:44:17.6		NOTE: ENTER HGA KEEP OUT ZONE		
7788	M1O	03-363/23:44:17.6	63	NOTE: Loss Of X-Band Signal		
7789	M1O	03-363/23:45:00.0	63	End Tracking		
7790	M1O	03-363/23:45:08.4		NOTE: Exit Solar Eclipse 9055		03-363/23:36:02.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7791	M1O	03-363/23:51:55.7		NOTE: Enter Planetary Atmosphere 9055		03-363/23:42:50.0
7792	M1O	03-363/23:53:25.8		NOTE: Enter Earth Occultation 9055		03-363/23:44:20.2
7793	M1O	03-363/23:54:11.4		NOTE: North Pole Crossing 9055		03-363/23:45:05.8
7794	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
7795	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
7796	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
7797	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
7798	M1O	03-363/23:56:09.0		NOTE: Apoapsis 9055 -		03-363/23:47:03.3
7799	M1O	03-364/00:00:00.0	63	End Post-Cal		
7800	M1O	03-364/00:00:00.0		Light Time: OWLT = 09:05, RTLT = 18:11		
7801	M1O	03-364/00:05:17.6		NOTE: EXIT HGA KEEP OUT ZONE		
7802	M1O	03-364/00:12:41.7		NOTE: Exit Earth Occultation 9055		03-364/00:03:36.0
7803	M1O	03-364/00:14:12.9		NOTE: Exit Planetary Atmosphere 9055		03-364/00:05:07.2
7804	M1O	03-364/00:24:10.6		NOTE: Descending Node Crossing 9056		03-364/00:15:04.9
7805	M1O	03-364/00:53:32.0		NOTE: South Pole Crossing 9056		03-364/00:44:26.2
7806	M1O	03-364/00:54:38.7		NOTE: Periapsis 9056 ----------		03-364/00:45:32.8
7807	M1O	03-364/01:09:35.1		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-364/01:00:29.3
7808	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
7809	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
7810	M1O	03-364/01:09:37.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-364/01:00:31.4
7811	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
7812	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
7813	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
7814	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
7815	M1O	03-364/01:10:00.0	24	Begin Tracking		
7816	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		
7817	M1O	03-364/01:10:00.1		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		03-364/01:00:54.3
7818	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
7819	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		
7820	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
7821	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
7822	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		
7823	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
7824	M1O	03-364/01:22:03.7		NOTE: Enter Solar Eclipse 9056		03-364/01:12:57.8
7825	M1O	03-364/01:22:50.6		NOTE: Ascending Node Crossing 9056		03-364/01:13:44.6
7826	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
7827	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
7828	M1O	03-364/01:25:09.0		CALL, Engine = , Parameters = 253	get_cmd_opt	03-364/01:16:03.1
7829	M1O	03-364/01:25:51.2		CALL, Engine = , Parameters = 253	get_apid	03-364/01:16:45.3
7830	M1O	03-364/01:25:52.3		CALL, Engine = , Parameters = 253	get_rcv_mode	03-364/01:16:46.4
7831	M1O	03-364/01:25:52.5		CALL, Engine = , Parameters = 253	get_dl_rate	03-364/01:16:46.6
7832	M1O	03-364/01:25:53.6		CALL, Engine = , Parameters = 253, FALSE	get_modulatn	03-364/01:16:47.7
7833	M1O	03-364/01:25:54.9		CALL, Engine = , Parameters = 253	get_coding	03-364/01:16:49.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
7834	M1O	03-364/01:25:56.1		CALL, Engine = , Parameters = 253	get_xmt_mode	03-364/01:16:50.2
7835	M1O	03-364/01:25:57.3		CALL, Engine = , Parameters = 253	get_cmd_beacon	03-364/01:16:51.4
7836	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
7837	M1O	03-364/01:27:03.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-364/01:17:57.2
7838	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
7839	M1O	03-364/01:27:05.1		Selects receiving spacecraft ID.: 253	UHF_SC_ID	03-364/01:17:59.2
7840	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
7841	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
7842	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
7843	M1O	03-364/01:41:48.9		SPAWN, Engine = 65535, Parameters = 3, 00:34:22.116, 1	dpt	03-364/01:32:43.0
7844	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
7845	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		
7846	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
7847	M1O	03-364/01:42:50.9		NOTE: ENTER HGA KEEP OUT ZONE		
7848	M1O	03-364/01:42:50.9	24	NOTE: Loss Of X-Band Signal		
7849	M1O	03-364/01:43:38.6		NOTE: Exit Solar Eclipse 9056		03-364/01:34:32.6
7850	M1O	03-364/01:50:35.3		NOTE: Enter Planetary Atmosphere 9056		03-364/01:41:29.3
7851	M1O	03-364/01:52:06.0		NOTE: Enter Earth Occultation 9056		03-364/01:43:00.0
7852	M1O	03-364/01:52:46.5		NOTE: North Pole Crossing 9056		03-364/01:43:40.5
7853	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
7854	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
7855	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
7856	M1O	03-364/01:54:06.0		GV: GV_SPARE_14 = 0		03-364/01:45:00.0
7857	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
7858	M1O	03-364/01:54:11.0		GV: GV_SPARE_25 = 0		03-364/01:45:05.0
7859	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
7860	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
7861	M1O	03-364/01:54:16.0		GV: GV_SPARE_28 = 0		03-364/01:45:10.0
7862	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
7863	M1O	03-364/01:54:39.4		NOTE: Apoapsis 9056 -		03-364/01:45:33.4
7864	M1O	03-364/02:03:31.0		NOTE: EXIT HGA KEEP OUT ZONE		
7865	M1O	03-364/02:11:13.1		NOTE: Exit Earth Occultation 9056		03-364/02:02:07.1
7866	M1O	03-364/02:11:13.1	24	Acquisition Of X-Band Signal		
7867	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		
7868	M1O	03-364/02:12:44.9		NOTE: Exit Planetary Atmosphere 9056		03-364/02:03:38.8
7869	M1O	03-364/02:16:13.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-364/02:07:07.2
7870	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		
7871	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
7872	M1O	03-364/02:22:46.0		NOTE: Descending Node Crossing 9057		03-364/02:13:39.9
7873	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
7874	M1O	03-364/02:35:46.2		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-364/02:26:40.1
7875	M1O	03-364/02:35:47.2		Forces a desaturation of the reaction wheels.	RW_DESAT	03-364/02:26:41.1
7876	M1O	03-364/02:39:09.1		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-364/02:30:03.0
7877	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
7878	M1O	03-364/02:39:25.9		Queues in the retransmit buffer, by time range, designated packet from the specified	PCKTS_RE_TX_TIME	03-364/02:30:19.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 7, 2003-362T02:30:03.100, 2003-364T02:30:03.100		
7879	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
7880	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
7881	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
7882	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
7883	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
7884	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		
7885	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
7886	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		
7887	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
7888	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
7889	M1O	03-364/02:46:47.9	24	D/L RF Warning: SC antenna change - expect signal level variation		
7890	M1O	03-364/02:46:48.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-364/02:37:42.8
7891	M1O	03-364/02:47:17.2		CALL, Engine = , Parameters = FALSE	park_hga	03-364/02:38:11.1
7892	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
7893	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
7894	M1O	03-364/02:47:19.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-364/02:38:13.1
7895	M1O	03-364/02:47:19.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-364/02:38:13.1
7896	M1O	03-364/02:47:19.2		NOTE: START HGA PARK		
7897	M1O	03-364/02:47:19.2	24	NOTE: Loss Of X-Band Signal		
7898	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
7899	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
7900	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
7901	M1O	03-364/02:52:08.8		NOTE: South Pole Crossing 9057		03-364/02:43:02.6
7902	M1O	03-364/02:53:37.2		NOTE: Periapsis 9057 ----------		03-364/02:44:31.0
7903	M1O	03-364/02:55:21.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-364/02:46:15.1
7904	M1O	03-364/02:55:21.2		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-364/02:46:15.1
7905	M1O	03-364/03:20:40.7		NOTE: Enter Solar Eclipse 9057		03-364/03:11:34.5
7906	M1O	03-364/03:21:28.0		NOTE: Ascending Node Crossing 9057		03-364/03:12:21.7
7907	M1O	03-364/03:25:21.2		GV: GV_DESAT_ACTIVE = 1		03-364/03:16:15.0
7908	M1O	03-364/03:25:22.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_start.cfg	CHAN_APID_CONFIG	03-364/03:16:16.0
7909	M1O	03-364/03:25:22.2		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-364/03:16:16.0
7910	M1O	03-364/03:35:21.3		GV: GV_DESAT_ACTIVE = 0		03-364/03:26:15.0
7911	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
7912	M1O	03-364/03:35:23.3		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-364/03:26:17.0
7913	M1O	03-364/03:35:24.3		CALL, Engine = , Parameters =	unpark_hga	03-364/03:26:18.0
7914	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
7915	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
7916	M1O	03-364/03:39:55.3		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS,	FSW_OBJ_INITIAL	03-364/03:30:49.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/sam_ga_hga_vts.cfg,		
7917	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
7918	M1O	03-364/03:41:46.3		NOTE: ENTER HGA KEEP OUT ZONE		
7919	M1O	03-364/03:42:14.7		NOTE: Exit Solar Eclipse 9057		03-364/03:33:08.3
7920	M1O	03-364/03:43:56.3		NOTE: EXIT HGA PARK		
7921	M1O	03-364/03:49:12.8		NOTE: Enter Planetary Atmosphere 9057		03-364/03:40:06.4
7922	M1O	03-364/03:50:43.8		NOTE: Enter Earth Occultation 9057		03-364/03:41:37.5
7923	M1O	03-364/03:51:23.4		NOTE: North Pole Crossing 9057		03-364/03:42:17.1
7924	M1O	03-364/03:53:48.6		NOTE: Apoapsis 9057 -		03-364/03:44:42.2
7925	M1O	03-364/04:02:06.4		NOTE: EXIT HGA KEEP OUT ZONE		
7926	M1O	03-364/04:09:22.7		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-364/04:00:16.3
7927	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
7928	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
7929	M1O	03-364/04:09:24.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-364/04:00:18.4
7930	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
7931	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
7932	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
7933	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
7934	M1O	03-364/04:09:47.7		NOTE: Exit Earth Occultation 9057		03-364/04:00:41.3
7935	M1O	03-364/04:09:47.7	24	Acquisition Of X-Band Signal		
7936	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		
7937	M1O	03-364/04:11:19.6		NOTE: Exit Planetary Atmosphere 9057		03-364/04:02:13.2
7938	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
7939	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
7940	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		
7941	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
7942	M1O	03-364/04:21:23.0		NOTE: Descending Node Crossing 9058		03-364/04:12:16.5
7943	M1O	03-364/04:50:46.3		NOTE: South Pole Crossing 9058		03-364/04:41:39.7
7944	M1O	03-364/04:52:41.1		NOTE: Periapsis 9058 ----------		03-364/04:43:34.6
7945	M1O	03-364/05:00:00.0	43	Begin Pre-Cal		
7946	M1O	03-364/05:00:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
7947	M1O	03-364/05:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
7948	M1O	03-364/05:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
7949	M1O	03-364/05:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
7950	M1O	03-364/05:00:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
7951	M1O	03-364/05:00:00.0	43	Config: RCV: Parms:		
7952	M1O	03-364/05:00:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
7953	M1O	03-364/05:00:00.0	43	Config: TGC: BAND=X, SR=79632.000000		
7954	M1O	03-364/05:00:00.0	43	Config: TXL		
7955	M1O	03-364/05:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
7956	M1O	03-364/05:00:00.0	43	Config: CMD		
7957	M1O	03-364/05:00:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
7958	M1O	03-364/05:19:15.9		NOTE: Enter Solar Eclipse 9058		03-364/05:10:09.2
7959	M1O	03-364/05:20:05.1		NOTE: Ascending Node Crossing 9058		03-364/05:10:58.4
7960	M1O	03-364/05:39:20.7		SPAWN, Engine = 65535, Parameters = 3, 00:40:37.209, 1	dpt	03-364/05:30:14.0
7961	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
7962	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		
7963	M1O	03-364/05:39:23.8		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	03-364/05:30:17.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
7964	M1O	03-364/05:40:22.7		NOTE: ENTER HGA KEEP OUT ZONE		
7965	M1O	03-364/05:40:22.7	24	NOTE: Loss Of X-Band Signal		
7966	M1O	03-364/05:40:52.1		NOTE: Exit Solar Eclipse 9058		03-364/05:31:45.4
7967	M1O	03-364/05:47:48.5		NOTE: Enter Planetary Atmosphere 9058		03-364/05:38:41.8
7968	M1O	03-364/05:49:19.5		NOTE: Enter Earth Occultation 9058		03-364/05:40:12.8
7969	M1O	03-364/05:50:00.3		NOTE: North Pole Crossing 9058		03-364/05:40:53.5
7970	M1O	03-364/05:52:49.5		NOTE: Apoapsis 9058 -		03-364/05:43:42.8
7971	M1O	03-364/06:00:42.7		NOTE: EXIT HGA KEEP OUT ZONE		
7972	M1O	03-364/06:08:24.0		NOTE: Exit Earth Occultation 9058		03-364/05:59:17.2
7973	M1O	03-364/06:08:24.0	24	Acquisition Of X-Band Signal		
7974	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		
7975	M1O	03-364/06:09:55.9		NOTE: Exit Planetary Atmosphere 9058		03-364/06:00:49.1
7976	M1O	03-364/06:15:00.0	43	Begin Tracking		
7977	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		
7978	M1O	03-364/06:15:00.0		NOTE: Changing to 70M downlink rate: 110600_BPS		03-364/06:05:53.2
7979	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
7980	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		
7981	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		
7982	M1O	03-364/06:16:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
7983	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
7984	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		
7985	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		
7986	M1O	03-364/06:20:00.1		NOTE: Descending Node Crossing 9059		03-364/06:10:53.3
7987	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
7988	M1O	03-364/06:21:00.0	43	Range Modulation On: SUP=3.0dB		
7989	M1O	03-364/06:22:00.0	43	Begin Ranging Acquisition		
7990	M1O	03-364/06:33:11.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-364/06:24:04.6
7991	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
7992	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		
7993	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		
7994	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
7995	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		
7996	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		
7997	M1O	03-364/06:39:13.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-364/06:30:06.7
7998	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		
7999	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		
8000	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
8001	M1O	03-364/06:49:22.6		NOTE: South Pole Crossing 9059		03-364/06:40:15.6
8002	M1O	03-364/06:50:00.0	24	End Tracking		
8003	M1O	03-364/06:51:26.2		NOTE: Periapsis 9059 ----------		03-364/06:42:19.3
8004	M1O	03-364/07:05:00.0	24	End Post-Cal		
8005	M1O	03-364/07:05:45.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
8006	M1O	03-364/07:09:06.9		SPAWN, Engine = 65535, Parameters =	scdiag	03-364/07:00:00.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8007	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
8008	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
8009	M1O	03-364/07:10:09.9		SPAWN, Engine = 65535, Parameters = WEEKLY	fsw_diag	03-364/07:01:03.0
8010	M1O	03-364/07:10:10.1		NOTE: Start Block fsw_diag		03-364/07:01:03.2
8011	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
8012	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
8013	M1O	03-364/07:10:23.1		NOTE: End Block fsw_diag.mod		03-364/07:01:16.2
8014	M1O	03-364/07:11:22.9		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-364/07:02:16.0
8015	M1O	03-364/07:11:23.1		NOTE: Start Block fsw_diag		03-364/07:02:16.2
8016	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
8017	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
8018	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
8019	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
8020	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
8021	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
8022	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
8023	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
8024	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
8025	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
8026	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
8027	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
8028	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
8029	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
8030	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
8031	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
8032	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
8033	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
8034	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
8035	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
8036	M1O	03-364/07:14:34.1		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-364/07:05:27.2
8037	M1O	03-364/07:14:45.1		NOTE: End Block fsw_diag.mod		03-364/07:05:38.2
8038	M1O	03-364/07:15:45.0	43	Range Modulation Off		
8039	M1O	03-364/07:17:48.7		NOTE: Enter Solar Eclipse 9059		03-364/07:08:41.7
8040	M1O	03-364/07:18:40.1		NOTE: Ascending Node Crossing 9059		03-364/07:09:33.1
8041	M1O	03-364/07:20:45.0	43	X-Band Transmitter Off		
8042	M1O	03-364/07:37:56.7		SPAWN, Engine = 65535, Parameters = 3, 00:34:34, 1	dpt	03-364/07:28:49.6
8043	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
8044	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		
8045	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
8046	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		
8047	M1O	03-364/07:39:00.0		NOTE: ENTER HGA KEEP OUT ZONE		
8048	M1O	03-364/07:39:00.0	43	NOTE: Loss Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8049	M1O	03-364/07:39:29.1		NOTE: Exit Solar Eclipse 9059		03-364/07:30:22.0
8050	M1O	03-364/07:46:20.1		NOTE: Enter Planetary Atmosphere 9059		03-364/07:37:13.0
8051	M1O	03-364/07:47:50.8		NOTE: Enter Earth Occultation 9059		03-364/07:38:43.7
8052	M1O	03-364/07:48:35.1		NOTE: North Pole Crossing 9059		03-364/07:39:28.0
8053	M1O	03-364/07:49:19.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8054	M1O	03-364/07:51:20.3		NOTE: Apoapsis 9059 -		03-364/07:42:13.2
8055	M1O	03-364/07:54:19.0	43	Range Modulation On: SUP=3.0dB		
8056	M1O	03-364/07:55:19.0	43	Begin Ranging Acquisition		
8057	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
8058	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
8059	M1O	03-364/07:57:07.2		CALL, Engine = , Parameters = 56	get_cmd_opt	03-364/07:48:00.1
8060	M1O	03-364/07:57:07.5		CALL, Engine = , Parameters = 364, 01, 056	bld_autosw	03-364/07:48:00.4
8061	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
8062	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
8063	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
8064	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
8065	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
8066	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
8067	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
8068	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
8069	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
8070	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
8071	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
8072	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
8073	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
8074	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
8075	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
8076	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
8077	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
8078	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
8079	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
8080	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
8081	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
8082	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
8083	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
8084	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
8085	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
8086	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8087	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
8088	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
8089	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
8090	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
8091	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
8092	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
8093	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
8094	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
8095	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
8096	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
8097	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
8098	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
8099	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
8100	M1O	03-364/07:57:49.5		CALL, Engine = , Parameters = 56	get_apid	03-364/07:48:42.4
8101	M1O	03-364/07:57:50.6		CALL, Engine = , Parameters = 56	get_rcv_mode	03-364/07:48:43.5
8102	M1O	03-364/07:57:50.8		CALL, Engine = , Parameters = 56	get_dl_rate	03-364/07:48:43.7
8103	M1O	03-364/07:57:51.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-364/07:48:44.8
8104	M1O	03-364/07:57:53.1		CALL, Engine = , Parameters = 56	get_coding	03-364/07:48:46.0
8105	M1O	03-364/07:57:54.3		CALL, Engine = , Parameters = 56	get_xmt_mode	03-364/07:48:47.2
8106	M1O	03-364/07:57:55.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-364/07:48:48.4
8107	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
8108	M1O	03-364/07:59:01.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-364/07:49:54.2
8109	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
8110	M1O	03-364/07:59:03.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-364/07:49:56.2
8111	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
8112	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
8113	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
8114	M1O	03-364/07:59:20.1		NOTE: EXIT HGA KEEP OUT ZONE		
8115	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
8116	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
8117	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
8118	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
8119	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
8120	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
8121	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
8122	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
8123	M1O	03-364/08:07:00.8		NOTE: Exit Earth Occultation 9059		03-364/07:57:53.6
8124	M1O	03-364/08:07:00.8	43	Acquisition Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8125	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		
8126	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		
8127	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
8128	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
8129	M1O	03-364/08:08:32.4		NOTE: Exit Planetary Atmosphere 9059		03-364/07:59:25.3
8130	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
8131	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
8132	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
8133	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
8134	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
8135	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		
8136	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
8137	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		
8138	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
8139	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
8140	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
8141	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
8142	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
8143	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
8144	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
8145	M1O	03-364/08:18:34.7		NOTE: Descending Node Crossing 9060		03-364/08:09:27.5
8146	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
8147	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
8148	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
8149	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
8150	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
8151	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
8152	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
8153	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
8154	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8155	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
8156	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
8157	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
8158	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
8159	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
8160	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
8161	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
8162	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
8163	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		
8164	M1O	03-364/08:31:18.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-364/08:22:11.3
8165	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
8166	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		
8167	M1O	03-364/08:47:56.0		NOTE: South Pole Crossing 9060		03-364/08:38:48.7
8168	M1O	03-364/08:49:42.7		NOTE: Periapsis 9060 ----------		03-364/08:40:35.4
8169	M1O	03-364/09:04:19.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
8170	M1O	03-364/09:14:19.0	43	Range Modulation Off		
8171	M1O	03-364/09:16:20.6		NOTE: Enter Solar Eclipse 9060		03-364/09:07:13.2
8172	M1O	03-364/09:17:12.8		NOTE: Ascending Node Crossing 9060		03-364/09:08:05.4
8173	M1O	03-364/09:19:19.0	43	X-Band Transmitter Off		
8174	M1O	03-364/09:36:31.1		SPAWN, Engine = 65535, Parameters = 3, 00:34:33, 1	dpt	03-364/09:27:23.6
8175	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
8176	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		
8177	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
8178	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		
8179	M1O	03-364/09:37:34.4		NOTE: ENTER HGA KEEP OUT ZONE		
8180	M1O	03-364/09:37:34.4	43	NOTE: Loss Of X-Band Signal		
8181	M1O	03-364/09:38:03.6		NOTE: Exit Solar Eclipse 9060		03-364/09:28:56.1
8182	M1O	03-364/09:44:48.8		NOTE: Enter Planetary Atmosphere 9060		03-364/09:35:41.4
8183	M1O	03-364/09:46:19.1		NOTE: Enter Earth Occultation 9060		03-364/09:37:11.7
8184	M1O	03-364/09:47:07.3		NOTE: North Pole Crossing 9060		03-364/09:37:59.9
8185	M1O	03-364/09:47:52.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8186	M1O	03-364/09:49:33.0		NOTE: Apoapsis 9060 -		03-364/09:40:25.5
8187	M1O	03-364/09:52:52.0	43	Range Modulation On: SUP=3.0dB		
8188	M1O	03-364/09:53:52.0	43	Begin Ranging Acquisition		
8189	M1O	03-364/09:56:45.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
8190	M1O	03-364/09:57:54.4		NOTE: EXIT HGA KEEP OUT ZONE		
8191	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
8192	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
8193	M1O	03-364/10:02:14.6		CALL, Engine = , Parameters = 56	get_cmd_opt	03-364/09:53:07.1
8194	M1O	03-364/10:02:14.9		CALL, Engine = , Parameters = 364, 02, 056	bld_autosw	03-364/09:53:07.4
8195	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8196	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
8197	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
8198	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
8199	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
8200	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
8201	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
8202	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
8203	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
8204	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
8205	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
8206	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
8207	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
8208	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
8209	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
8210	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
8211	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
8212	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
8213	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
8214	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
8215	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
8216	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
8217	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
8218	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
8219	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
8220	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
8221	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
8222	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
8223	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
8224	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
8225	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
8226	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
8227	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
8228	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
8229	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
8230	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
8231	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8232	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
8233	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
8234	M1O	03-364/10:02:56.9		CALL, Engine = , Parameters = 56	get_apid	03-364/09:53:49.4
8235	M1O	03-364/10:02:58.0		CALL, Engine = , Parameters = 56	get_rcv_mode	03-364/09:53:50.5
8236	M1O	03-364/10:02:58.2		CALL, Engine = , Parameters = 56	get_dl_rate	03-364/09:53:50.7
8237	M1O	03-364/10:02:59.3		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-364/09:53:51.8
8238	M1O	03-364/10:03:00.5		CALL, Engine = , Parameters = 56	get_coding	03-364/09:53:53.0
8239	M1O	03-364/10:03:01.7		CALL, Engine = , Parameters = 56	get_xmt_mode	03-364/09:53:54.2
8240	M1O	03-364/10:03:02.9		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-364/09:53:55.4
8241	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
8242	M1O	03-364/10:04:08.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-364/09:55:01.2
8243	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
8244	M1O	03-364/10:04:10.7		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-364/09:55:03.2
8245	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
8246	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
8247	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
8248	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
8249	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
8250	M1O	03-364/10:05:34.8		NOTE: Exit Earth Occultation 9060		03-364/09:56:27.3
8251	M1O	03-364/10:05:34.8	43	Acquisition Of X-Band Signal		
8252	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		
8253	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		
8254	M1O	03-364/10:06:45.0	43	Range Modulation Off		
8255	M1O	03-364/10:07:06.1		NOTE: Exit Planetary Atmosphere 9060		03-364/09:57:58.6
8256	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
8257	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
8258	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
8259	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
8260	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
8261	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		
8262	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
8263	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		
8264	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
8265	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
8266	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
8267	M1O	03-364/10:11:44.8	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
8268	M1O	03-364/10:11:45.0	43	X-Band Transmitter Off		
8269	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
8270	M1O	03-364/10:13:15.7		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	03-364/10:04:08.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				BYPASS_COD, PSK		
8271	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
8272	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
8273	M1O	03-364/10:17:06.0		NOTE: Descending Node Crossing 9061		03-364/10:07:58.5
8274	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
8275	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
8276	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
8277	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
8278	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
8279	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
8280	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
8281	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
8282	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
8283	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		
8284	M1O	03-364/10:20:16.2		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-364/10:11:08.6
8285	M1O	03-364/10:21:48.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-364/10:12:41.0
8286	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
8287	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
8288	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
8289	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
8290	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
8291	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
8292	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
8293	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		
8294	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
8295	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		
8296	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
8297	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
8298	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
8299	M1O	03-364/10:29:27.3	43	D/L RF Warning: SC antenna change - expect signal level variation		
8300	M1O	03-364/10:29:28.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-364/10:20:20.8
8301	M1O	03-364/10:30:00.0	43	End Tracking		
8302	M1O	03-364/10:45:00.0	43	End Post-Cal		
8303	M1O	03-364/10:46:27.2		NOTE: South Pole Crossing 9061		03-364/10:37:19.6
8304	M1O	03-364/10:47:57.6		NOTE: Periapsis 9061 ----------		03-364/10:38:49.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8305	M1O	03-364/11:14:53.3		NOTE: Enter Solar Eclipse 9061		03-364/11:05:45.6
8306	M1O	03-364/11:15:44.6		NOTE: Ascending Node Crossing 9061		03-364/11:06:36.9
8307	M1O	03-364/11:35:45.7		NOTE: ENTER HGA KEEP OUT ZONE		
8308	M1O	03-364/11:36:33.7		NOTE: Exit Solar Eclipse 9061		03-364/11:27:25.9
8309	M1O	03-364/11:43:21.7		NOTE: Enter Planetary Atmosphere 9061		03-364/11:34:13.8
8310	M1O	03-364/11:44:52.3		NOTE: Enter Earth Occultation 9061		03-364/11:35:44.4
8311	M1O	03-364/11:45:38.9		NOTE: North Pole Crossing 9061		03-364/11:36:31.1
8312	M1O	03-364/11:48:13.4		NOTE: Apoapsis 9061 -		03-364/11:39:05.6
8313	M1O	03-364/11:56:25.8		NOTE: EXIT HGA KEEP OUT ZONE		
8314	M1O	03-364/12:04:04.0		NOTE: Exit Earth Occultation 9061		03-364/11:54:56.1
8315	M1O	03-364/12:05:35.5		NOTE: Exit Planetary Atmosphere 9061		03-364/11:56:27.6
8316	M1O	03-364/12:15:37.4		NOTE: Descending Node Crossing 9062		03-364/12:06:29.5
8317	M1O	03-364/12:44:59.4		NOTE: South Pole Crossing 9062		03-364/12:35:51.4
8318	M1O	03-364/12:46:32.2		NOTE: Periapsis 9062 ----------		03-364/12:37:24.2
8319	M1O	03-364/13:13:27.2		NOTE: Enter Solar Eclipse 9062		03-364/13:04:19.2
8320	M1O	03-364/13:14:17.8		NOTE: Ascending Node Crossing 9062		03-364/13:05:09.7
8321	M1O	03-364/13:34:37.1		NOTE: ENTER HGA KEEP OUT ZONE		
8322	M1O	03-364/13:35:01.8		NOTE: Exit Solar Eclipse 9062		03-364/13:25:53.7
8323	M1O	03-364/13:42:02.8		NOTE: Enter Planetary Atmosphere 9062		03-364/13:32:54.6
8324	M1O	03-364/13:43:34.3		NOTE: Enter Earth Occultation 9062		03-364/13:34:26.1
8325	M1O	03-364/13:44:13.5		NOTE: North Pole Crossing 9062		03-364/13:35:05.3
8326	M1O	03-364/13:46:48.6		NOTE: Apoapsis 9062 -		03-364/13:37:40.4
8327	M1O	03-364/13:54:57.2		NOTE: EXIT HGA KEEP OUT ZONE		
8328	M1O	03-364/14:02:33.7		NOTE: Exit Earth Occultation 9062		03-364/13:53:25.5
8329	M1O	03-364/14:04:06.2		NOTE: Exit Planetary Atmosphere 9062		03-364/13:54:57.9
8330	M1O	03-364/14:14:13.5		NOTE: Descending Node Crossing 9063		03-364/14:05:05.2
8331	M1O	03-364/14:43:35.5		NOTE: South Pole Crossing 9063		03-364/14:34:27.2
8332	M1O	03-364/14:45:13.9		NOTE: Periapsis 9063 ----------		03-364/14:36:05.6
8333	M1O	03-364/15:00:00.0	63	Begin Pre-Cal		
8334	M1O	03-364/15:00:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
8335	M1O	03-364/15:00:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
8336	M1O	03-364/15:00:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
8337	M1O	03-364/15:00:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8338	M1O	03-364/15:00:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
8339	M1O	03-364/15:00:00.0	63	Config: RCV: Parms:		
8340	M1O	03-364/15:00:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
8341	M1O	03-364/15:00:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
8342	M1O	03-364/15:00:00.0	63	Config: TXL		
8343	M1O	03-364/15:00:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
8344	M1O	03-364/15:00:00.0	63	Config: CMD		
8345	M1O	03-364/15:00:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
8346	M1O	03-364/15:12:02.4		NOTE: Enter Solar Eclipse 9063		03-364/15:02:54.0
8347	M1O	03-364/15:12:53.6		NOTE: Ascending Node Crossing 9063		03-364/15:03:45.1
8348	M1O	03-364/15:33:13.5		NOTE: ENTER HGA KEEP OUT ZONE		
8349	M1O	03-364/15:33:34.2		NOTE: Exit Solar Eclipse 9063		03-364/15:24:25.7
8350	M1O	03-364/15:40:43.0		NOTE: Enter Planetary Atmosphere 9063		03-364/15:31:34.5
8351	M1O	03-364/15:42:14.9		NOTE: Enter Earth Occultation 9063		03-364/15:33:06.4
8352	M1O	03-364/15:42:50.1		NOTE: North Pole Crossing 9063		03-364/15:33:41.5
8353	M1O	03-364/15:45:16.8		NOTE: Apoapsis 9063 -		03-364/15:36:08.2
8354	M1O	03-364/15:53:33.5		NOTE: EXIT HGA KEEP OUT ZONE		
8355	M1O	03-364/16:01:08.1		NOTE: Exit Earth Occultation 9063		03-364/15:51:59.5
8356	M1O	03-364/16:02:41.0		NOTE: Exit Planetary Atmosphere 9063		03-364/15:53:32.4
8357	M1O	03-364/16:12:50.9		NOTE: Descending Node Crossing 9064		03-364/16:03:42.3
8358	M1O	03-364/16:29:35.7		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-364/16:20:27.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8359	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
8360	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
8361	M1O	03-364/16:29:37.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-364/16:20:29.2
8362	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
8363	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
8364	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
8365	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
8366	M1O	03-364/16:30:00.0	63	Begin Tracking		
8367	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		
8368	M1O	03-364/16:31:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8369	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
8370	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
8371	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		
8372	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
8373	M1O	03-364/16:36:00.0	63	Range Modulation On: SUP=3.0dB		
8374	M1O	03-364/16:37:00.0	63	Begin Ranging Acquisition		
8375	M1O	03-364/16:42:12.8		NOTE: South Pole Crossing 9064		03-364/16:33:04.1
8376	M1O	03-364/16:43:48.9		NOTE: Periapsis 9064 ----------		03-364/16:34:40.2
8377	M1O	03-364/16:48:14.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-364/16:39:05.7
8378	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
8379	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		
8380	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
8381	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		
8382	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
8383	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		
8384	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
8385	M1O	03-364/16:58:33.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
8386	M1O	03-364/17:08:33.0	63	Range Modulation Off		
8387	M1O	03-364/17:10:39.0		NOTE: Enter Solar Eclipse 9064		03-364/17:01:30.2
8388	M1O	03-364/17:11:30.6		NOTE: Ascending Node Crossing 9064		03-364/17:02:21.7
8389	M1O	03-364/17:13:33.0	63	X-Band Transmitter Off		
8390	M1O	03-364/17:30:47.6		SPAWN, Engine = 65535, Parameters = 3, 00:34:25.896, 1	dpt	03-364/17:21:38.7
8391	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
8392	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		
8393	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
8394	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		
8395	M1O	03-364/17:31:50.8		NOTE: ENTER HGA KEEP OUT ZONE		
8396	M1O	03-364/17:31:50.8	63	NOTE: Loss Of X-Band Signal		
8397	M1O	03-364/17:32:11.0		NOTE: Exit Solar Eclipse 9064		03-364/17:23:02.1
8398	M1O	03-364/17:39:18.5		NOTE: Enter Planetary Atmosphere 9064		03-364/17:30:09.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8399	M1O	03-364/17:40:50.2		NOTE: Enter Earth Occultation 9064		03-364/17:31:41.3
8400	M1O	03-364/17:41:26.8		NOTE: North Pole Crossing 9064		03-364/17:32:17.9
8401	M1O	03-364/17:42:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8402	M1O	03-364/17:43:38.6		NOTE: Apoapsis 9064 -		03-364/17:34:29.7
8403	M1O	03-364/17:47:00.0	63	Range Modulation On: SUP=3.0dB		
8404	M1O	03-364/17:48:00.0	63	Begin Ranging Acquisition		
8405	M1O	03-364/17:52:10.9		NOTE: EXIT HGA KEEP OUT ZONE		
8406	M1O	03-364/17:59:45.7		NOTE: Exit Earth Occultation 9064		03-364/17:50:36.7
8407	M1O	03-364/17:59:45.7	63	Acquisition Of X-Band Signal		
8408	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		
8409	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		
8410	M1O	03-364/18:01:18.4		NOTE: Exit Planetary Atmosphere 9064		03-364/17:52:09.4
8411	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
8412	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		
8413	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
8414	M1O	03-364/18:11:27.1		NOTE: Descending Node Crossing 9065		03-364/18:02:18.1
8415	M1O	03-364/18:40:49.2		NOTE: South Pole Crossing 9065		03-364/18:31:40.1
8416	M1O	03-364/18:42:22.9		NOTE: Periapsis 9065 ----------		03-364/18:33:13.8
8417	M1O	03-364/18:50:00.0	15	Begin Pre-Cal		
8418	M1O	03-364/18:50:00.0	15	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
8419	M1O	03-364/18:50:00.0	15	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
8420	M1O	03-364/18:50:00.0	15	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
8421	M1O	03-364/18:50:00.0	15	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8422	M1O	03-364/18:50:00.0	15	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
8423	M1O	03-364/18:50:00.0	15	Config: RCV: Parms:		
8424	M1O	03-364/18:50:00.0	15	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
8425	M1O	03-364/18:50:00.0	15	Config: TGC: BAND=X, SR=221200.000000		
8426	M1O	03-364/18:50:00.0	15	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
8427	M1O	03-364/18:57:08.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
8428	M1O	03-364/19:07:08.0	63	Range Modulation Off		
8429	M1O	03-364/19:09:15.3		NOTE: Enter Solar Eclipse 9065		03-364/19:00:06.1
8430	M1O	03-364/19:10:07.1		NOTE: Ascending Node Crossing 9065		03-364/19:00:57.9
8431	M1O	03-364/19:12:08.0	63	X-Band Transmitter Off		
8432	M1O	03-364/19:29:24.1		SPAWN, Engine = 65535, Parameters = 3, 00:34:29, 1	dpt	03-364/19:20:14.8
8433	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
8434	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		
8435	M1O	03-364/19:29:27.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-364/19:20:17.9
8436	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		
8437	M1O	03-364/19:30:27.2		NOTE: ENTER HGA KEEP OUT ZONE		
8438	M1O	03-364/19:30:27.2	63	NOTE: Loss Of X-Band Signal		
8439	M1O	03-364/19:30:50.0		NOTE: Exit Solar Eclipse 9065		03-364/19:21:40.8
8440	M1O	03-364/19:37:48.7		NOTE: Enter Planetary Atmosphere 9065		03-364/19:28:39.5
8441	M1O	03-364/19:39:19.9		NOTE: Enter Earth Occultation 9065		03-364/19:30:10.6
8442	M1O	03-364/19:40:02.2		NOTE: North Pole Crossing 9065		03-364/19:30:52.9
8443	M1O	03-364/19:40:37.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8444	M1O	03-364/19:42:08.2		NOTE: Apoapsis 9065 -		03-364/19:32:58.9
8445	M1O	03-364/19:45:37.0	63	Range Modulation On: SUP=3.0dB		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8446	M1O	03-364/19:46:37.0	63	Begin Ranging Acquisition		
8447	M1O	03-364/19:50:47.3		NOTE: EXIT HGA KEEP OUT ZONE		
8448	M1O	03-364/19:58:23.6		NOTE: Exit Earth Occultation 9065		03-364/19:49:14.3
8449	M1O	03-364/19:58:23.6	63	Acquisition Of X-Band Signal		
8450	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		
8451	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		
8452	M1O	03-364/19:59:55.7		NOTE: Exit Planetary Atmosphere 9065		03-364/19:50:46.4
8453	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
8454	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		
8455	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
8456	M1O	03-364/20:10:01.1		NOTE: Descending Node Crossing 9066		03-364/20:00:51.7
8457	M1O	03-364/20:20:00.0	15	Begin Tracking		
8458	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		
8459	M1O	03-364/20:24:15.0	15	NOTE: Above Uplink Interlock Limit		
8460	M1O	03-364/20:39:23.0		NOTE: South Pole Crossing 9066		03-364/20:30:13.5
8461	M1O	03-364/20:40:59.8		NOTE: Periapsis 9066 ----------		03-364/20:31:50.4
8462	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
8463	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
8464	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		
8465	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		
8466	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
8467	M1O	03-364/20:54:28.6		CALL, Engine = , Parameters = 56	get_cmd_opt	03-364/20:45:19.1
8468	M1O	03-364/20:54:28.9		CALL, Engine = , Parameters = 364, 03, 056	bld_autosw	03-364/20:45:19.4
8469	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
8470	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
8471	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
8472	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
8473	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
8474	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
8475	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
8476	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
8477	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
8478	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
8479	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
8480	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
8481	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
8482	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8483	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
8484	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
8485	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
8486	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
8487	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
8488	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
8489	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
8490	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
8491	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
8492	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
8493	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
8494	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
8495	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
8496	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
8497	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
8498	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
8499	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
8500	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
8501	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
8502	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
8503	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
8504	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
8505	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
8506	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
8507	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
8508	M1O	03-364/20:55:10.9		CALL, Engine = , Parameters = 56	get_apid	03-364/20:46:01.4
8509	M1O	03-364/20:55:12.0		CALL, Engine = , Parameters = 56	get_rcv_mode	03-364/20:46:02.5
8510	M1O	03-364/20:55:12.2		CALL, Engine = , Parameters = 56	get_dl_rate	03-364/20:46:02.7
8511	M1O	03-364/20:55:13.3		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-364/20:46:03.8
8512	M1O	03-364/20:55:14.5		CALL, Engine = , Parameters = 56	get_coding	03-364/20:46:05.0
8513	M1O	03-364/20:55:15.7		CALL, Engine = , Parameters = 56	get_xmt_mode	03-364/20:46:06.2
8514	M1O	03-364/20:55:16.9		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-364/20:46:07.4
8515	M1O	03-364/20:55:41.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
8516	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
8517	M1O	03-364/20:56:22.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-364/20:47:13.2
8518	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
8519	M1O	03-364/20:56:24.7		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-364/20:47:15.2
8520	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
8521	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
8522	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8523	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
8524	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
8525	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
8526	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
8527	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
8528	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
8529	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
8530	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
8531	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
8532	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
8533	M1O	03-364/21:05:41.0	63	Range Modulation Off		
8534	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
8535	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
8536	M1O	03-364/21:07:48.3		NOTE: Enter Solar Eclipse 9066		03-364/20:58:38.7
8537	M1O	03-364/21:08:40.8		NOTE: Ascending Node Crossing 9066		03-364/20:59:31.2
8538	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
8539	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
8540	M1O	03-364/21:10:41.0	63	X-Band Transmitter Off		
8541	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
8542	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
8543	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
8544	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
8545	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
8546	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
8547	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
8548	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
8549	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
8550	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
8551	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8552	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
8553	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
8554	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
8555	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
8556	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
8557	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
8558	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
8559	M1O	03-364/21:27:57.4		SPAWN, Engine = 65535, Parameters = 3, 00:34:30, 1	dpt	03-364/21:18:47.8
8560	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
8561	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
8562	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
8563	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
8564	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
8565	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
8566	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
8567	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		
8568	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		
8569	M1O	03-364/21:28:39.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-364/21:19:30.3
8570	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		
8571	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		
8572	M1O	03-364/21:29:00.6		NOTE: ENTER HGA KEEP OUT ZONE		
8573	M1O	03-364/21:29:00.6	15	NOTE: Loss Of X-Band Signal		
8574	M1O	03-364/21:29:00.6	63	NOTE: Loss Of X-Band Signal		
8575	M1O	03-364/21:29:26.3		NOTE: Exit Solar Eclipse 9066		03-364/21:20:16.7
8576	M1O	03-364/21:36:17.2		NOTE: Enter Planetary Atmosphere 9066		03-364/21:27:07.6
8577	M1O	03-364/21:37:47.9		NOTE: Enter Earth Occultation 9066		03-364/21:28:38.3
8578	M1O	03-364/21:38:34.9		NOTE: North Pole Crossing 9066		03-364/21:29:25.3
8579	M1O	03-364/21:39:11.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8580	M1O	03-364/21:40:57.4		NOTE: Apoapsis 9066 -		03-364/21:31:47.7
8581	M1O	03-364/21:44:11.0	63	Range Modulation On: SUP=3.0dB		
8582	M1O	03-364/21:45:11.0	63	Begin Ranging Acquisition		
8583	M1O	03-364/21:49:20.6		NOTE: EXIT HGA KEEP OUT ZONE		
8584	M1O	03-364/21:56:57.8		NOTE: Exit Earth Occultation 9066		03-364/21:47:48.1
8585	M1O	03-364/21:56:57.8	15	Acquisition Of X-Band Signal		
8586	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		
8587	M1O	03-364/21:56:57.8	63	Acquisition Of X-Band Signal		
8588	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8589	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		
8590	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		
8591	M1O	03-364/21:58:29.5		NOTE: Exit Planetary Atmosphere 9066		03-364/21:49:19.8
8592	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
8593	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		
8594	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		
8595	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
8596	M1O	03-364/22:08:33.1		NOTE: Descending Node Crossing 9067		03-364/21:59:23.4
8597	M1O	03-364/22:37:54.1		NOTE: South Pole Crossing 9067		03-364/22:28:44.3
8598	M1O	03-364/22:39:25.3		NOTE: Periapsis 9067 ----------		03-364/22:30:15.4
8599	M1O	03-364/22:54:13.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
8600	M1O	03-364/23:04:13.0	63	Range Modulation Off		
8601	M1O	03-364/23:06:18.5		NOTE: Enter Solar Eclipse 9067		03-364/22:57:08.6
8602	M1O	03-364/23:07:11.3		NOTE: Ascending Node Crossing 9067		03-364/22:58:01.3
8603	M1O	03-364/23:09:13.0	63	X-Band Transmitter Off		
8604	M1O	03-364/23:21:40.0	63	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
8605	M1O	03-364/23:26:29.8		SPAWN, Engine = 65535, Parameters = 3, 00:33:55.898, 1	dpt	03-364/23:17:19.8
8606	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
8607	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		
8608	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		
8609	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
8610	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		
8611	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		
8612	M1O	03-364/23:27:32.9		NOTE: ENTER HGA KEEP OUT ZONE		
8613	M1O	03-364/23:27:32.9	15	NOTE: Loss Of X-Band Signal		
8614	M1O	03-364/23:27:32.9	63	NOTE: Loss Of X-Band Signal		
8615	M1O	03-364/23:27:55.2		NOTE: Exit Solar Eclipse 9067		03-364/23:18:45.2
8616	M1O	03-364/23:30:48.0	63	NOTE: Below Uplink Interlock Limit		
8617	M1O	03-364/23:34:50.0		NOTE: Enter Planetary Atmosphere 9067		03-364/23:25:40.0
8618	M1O	03-364/23:36:20.9		NOTE: Enter Earth Occultation 9067		03-364/23:27:10.9
8619	M1O	03-364/23:37:06.1		NOTE: North Pole Crossing 9067		03-364/23:27:56.1
8620	M1O	03-364/23:39:16.7		NOTE: Apoapsis 9067 -		03-364/23:30:06.7
8621	M1O	03-364/23:40:00.0	63	End Tracking		
8622	M1O	03-364/23:40:01.0		NOTE: Changing to 34M (HEF) downlink rate: 66360_BPS		03-364/23:30:51.0
8623	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
8624	M1O	03-364/23:47:53.0		NOTE: EXIT HGA KEEP OUT ZONE		
8625	M1O	03-364/23:55:00.0	63	End Post-Cal		
8626	M1O	03-364/23:55:27.8		NOTE: Exit Earth Occultation 9067		03-364/23:46:17.7
8627	M1O	03-364/23:55:27.8	15	Acquisition Of X-Band Signal		
8628	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		
8629	M1O	03-364/23:56:59.8		NOTE: Exit Planetary Atmosphere 9067		03-364/23:47:49.7
8630	M1O	03-365/00:00:00.0		Light Time: OWLT = 09:10, RTLT = 18:20		
8631	M1O	03-365/00:00:00.0	26	Begin Pre-Cal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8632	M1O	03-365/00:00:00.0	26	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
8633	M1O	03-365/00:00:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
8634	M1O	03-365/00:00:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
8635	M1O	03-365/00:00:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8636	M1O	03-365/00:00:00.0	26	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
8637	M1O	03-365/00:00:00.0	26	Config: RCV: Parms:		
8638	M1O	03-365/00:00:00.0	26	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
8639	M1O	03-365/00:00:00.0	26	Config: TGC: BAND=X, SR=132720.000000		
8640	M1O	03-365/00:00:00.0	26	Config: TXL		
8641	M1O	03-365/00:00:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
8642	M1O	03-365/00:00:00.0	26	Config: CMD		
8643	M1O	03-365/00:00:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
8644	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
8645	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		
8646	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
8647	M1O	03-365/00:07:04.9		NOTE: Descending Node Crossing 9068		03-364/23:57:54.8
8648	M1O	03-365/00:36:25.7		NOTE: South Pole Crossing 9068		03-365/00:27:15.6
8649	M1O	03-365/00:37:35.6		NOTE: Periapsis 9068 ----------		03-365/00:28:25.4
8650	M1O	03-365/00:45:00.0	26	Begin Tracking		
8651	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		
8652	M1O	03-365/00:46:00.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8653	M1O	03-365/00:51:00.0	26	Range Modulation On: SUP=3.0dB		
8654	M1O	03-365/00:52:00.0	26	Begin Ranging Acquisition		
8655	M1O	03-365/00:52:44.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
8656	M1O	03-365/01:02:44.0	26	Range Modulation Off		
8657	M1O	03-365/01:03:18.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-365/00:54:07.9
8658	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
8659	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		
8660	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		
8661	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
8662	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		
8663	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		
8664	M1O	03-365/01:04:52.6		NOTE: Enter Solar Eclipse 9068		03-365/00:55:42.4
8665	M1O	03-365/01:05:43.5		NOTE: Ascending Node Crossing 9068		03-365/00:56:33.3
8666	M1O	03-365/01:07:44.0	26	X-Band Transmitter Off		
8667	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
8668	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		
8669	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		
8670	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
8671	M1O	03-365/01:25:02.3		SPAWN, Engine = 65535, Parameters = 3, 00:34:24, 1	dpt	03-365/01:15:51.9
8672	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
8673	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		
8674	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		
8675	M1O	03-365/01:25:05.4		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	03-365/01:15:55.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
8676	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		
8677	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		
8678	M1O	03-365/01:26:05.3		NOTE: ENTER HGA KEEP OUT ZONE		
8679	M1O	03-365/01:26:05.3	15	NOTE: Loss Of X-Band Signal		
8680	M1O	03-365/01:26:05.3	26	NOTE: Loss Of X-Band Signal		
8681	M1O	03-365/01:26:22.8		NOTE: Exit Solar Eclipse 9068		03-365/01:17:12.5
8682	M1O	03-365/01:33:28.5		NOTE: Enter Planetary Atmosphere 9068		03-365/01:24:18.1
8683	M1O	03-365/01:35:00.1		NOTE: Enter Earth Occultation 9068		03-365/01:25:49.7
8684	M1O	03-365/01:35:39.4		NOTE: North Pole Crossing 9068		03-365/01:26:29.1
8685	M1O	03-365/01:36:08.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8686	M1O	03-365/01:37:31.2		NOTE: Apoapsis 9068 -		03-365/01:28:20.8
8687	M1O	03-365/01:41:08.0	26	Range Modulation On: SUP=3.0dB		
8688	M1O	03-365/01:42:08.0	26	Begin Ranging Acquisition		
8689	M1O	03-365/01:46:25.4		NOTE: EXIT HGA KEEP OUT ZONE		
8690	M1O	03-365/01:53:57.4		NOTE: Exit Earth Occultation 9068		03-365/01:44:46.9
8691	M1O	03-365/01:53:57.4	15	Acquisition Of X-Band Signal		
8692	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		
8693	M1O	03-365/01:53:57.4	26	Acquisition Of X-Band Signal		
8694	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		
8695	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		
8696	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		
8697	M1O	03-365/01:55:30.0		NOTE: Exit Planetary Atmosphere 9068		03-365/01:46:19.6
8698	M1O	03-365/01:55:38.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
8699	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
8700	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		
8701	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		
8702	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
8703	M1O	03-365/02:05:38.0	26	Range Modulation Off		
8704	M1O	03-365/02:05:38.9		NOTE: Descending Node Crossing 9069		03-365/01:56:28.4
8705	M1O	03-365/02:10:38.0	26	X-Band Transmitter Off		
8706	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
8707	M1O	03-365/02:18:39.6		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	03-365/02:09:29.1
8708	M1O	03-365/02:18:40.6		Forces a desaturation of the reaction wheels.	RW_DESAT	03-365/02:09:30.1
8709	M1O	03-365/02:20:48.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, TRUE	cend	03-365/02:11:38.0
8710	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
8711	M1O	03-365/02:21:05.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 7, 2003-363T02:11:38.100, 2003-365T02:11:38.100	PCKTS_RE_TX_TIME	03-365/02:11:54.8
8712	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
8713	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
8714	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
8715	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
8716	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
8717	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,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
8718	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		
8719	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
8720	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		
8721	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		
8722	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
8723	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
8724	M1O	03-365/02:28:41.3	15	NOTE: Loss Of X-Band Signal		
8725	M1O	03-365/02:28:41.3	26	NOTE: Loss Of X-Band Signal		
8726	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
8727	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
8728	M1O	03-365/02:28:53.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-365/02:19:42.8
8729	M1O	03-365/02:30:10.6		CALL, Engine = , Parameters = FALSE	park_hga	03-365/02:21:00.1
8730	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
8731	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
8732	M1O	03-365/02:30:12.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-365/02:21:02.1
8733	M1O	03-365/02:30:12.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-365/02:21:02.1
8734	M1O	03-365/02:30:12.6		NOTE: START HGA PARK		
8735	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
8736	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
8737	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
8738	M1O	03-365/02:35:00.0	34	Begin Pre-Cal		
8739	M1O	03-365/02:35:00.0	34	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
8740	M1O	03-365/02:35:00.0	34	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
8741	M1O	03-365/02:35:00.0	34	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
8742	M1O	03-365/02:35:00.0	34	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
8743	M1O	03-365/02:35:00.0	34	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
8744	M1O	03-365/02:35:00.0	34	Config: RCV: Parms:		
8745	M1O	03-365/02:35:00.0	34	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
8746	M1O	03-365/02:35:00.0	34	Config: TGC: BAND=X, SR=132720.000000		
8747	M1O	03-365/02:35:00.0	34	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
8748	M1O	03-365/02:35:01.1		NOTE: South Pole Crossing 9069		03-365/02:25:50.5
8749	M1O	03-365/02:36:19.4		NOTE: Periapsis 9069 ----------		03-365/02:27:08.9
8750	M1O	03-365/02:38:14.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	03-365/02:29:04.1
8751	M1O	03-365/02:38:14.6		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	03-365/02:29:04.1
8752	M1O	03-365/03:03:29.7		NOTE: Enter Solar Eclipse 9069		03-365/02:54:19.1
8753	M1O	03-365/03:04:19.9		NOTE: Ascending Node Crossing 9069		03-365/02:55:09.3
8754	M1O	03-365/03:08:14.6		GV: GV_DESAT_ACTIVE = 1		03-365/02:59:04.0
8755	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
8756	M1O	03-365/03:08:15.6		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	03-365/02:59:05.0
8757	M1O	03-365/03:18:14.6		GV: GV_DESAT_ACTIVE = 0		03-365/03:09:04.0
8758	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
8759	M1O	03-365/03:18:16.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	03-365/03:09:06.0
8760	M1O	03-365/03:18:17.6		CALL, Engine = , Parameters =	unpark_hga	03-365/03:09:07.0
8761	M1O	03-365/03:18:17.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS,	FSW_OBJ_INITIAL	03-365/03:09:07.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/sam_ga_hga_cps.cfg,		
8762	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
8763	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
8764	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
8765	M1O	03-365/03:24:38.7		NOTE: ENTER HGA KEEP OUT ZONE		
8766	M1O	03-365/03:24:56.5		NOTE: Exit Solar Eclipse 9069		03-365/03:15:45.8
8767	M1O	03-365/03:26:49.6		NOTE: EXIT HGA PARK		
8768	M1O	03-365/03:32:06.7		NOTE: Enter Planetary Atmosphere 9069		03-365/03:22:56.0
8769	M1O	03-365/03:33:38.8		NOTE: Enter Earth Occultation 9069		03-365/03:24:28.1
8770	M1O	03-365/03:34:15.5		NOTE: North Pole Crossing 9069		03-365/03:25:04.8
8771	M1O	03-365/03:34:41.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8772	M1O	03-365/03:36:27.7		NOTE: Apoapsis 9069 -		03-365/03:27:16.9
8773	M1O	03-365/03:39:41.0	26	Range Modulation On: SUP=3.0dB		
8774	M1O	03-365/03:40:41.0	26	Begin Ranging Acquisition		
8775	M1O	03-365/03:44:58.7		NOTE: EXIT HGA KEEP OUT ZONE		
8776	M1O	03-365/03:52:05.4		SPAWN, Engine = 65535, Parameters = 00:05:31.373	cstr	03-365/03:42:54.6
8777	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
8778	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
8779	M1O	03-365/03:52:07.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-365/03:42:56.7
8780	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
8781	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
8782	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
8783	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
8784	M1O	03-365/03:52:30.4		NOTE: Exit Earth Occultation 9069		03-365/03:43:19.6
8785	M1O	03-365/03:52:30.4	15	Acquisition Of X-Band Signal		
8786	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		
8787	M1O	03-365/03:52:30.4	26	Acquisition Of X-Band Signal		
8788	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		
8789	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		
8790	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		
8791	M1O	03-365/03:54:03.4		NOTE: Exit Planetary Atmosphere 9069		03-365/03:44:52.6
8792	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
8793	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
8794	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, ANT=HGA		
8795	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		
8796	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
8797	M1O	03-365/04:04:15.0		NOTE: Descending Node Crossing 9070		03-365/03:55:04.2
8798	M1O	03-365/04:05:00.0	34	Begin Tracking		
8799	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		
8800	M1O	03-365/04:33:38.2		NOTE: South Pole Crossing 9070		03-365/04:24:27.3
8801	M1O	03-365/04:35:24.7		NOTE: Periapsis 9070 ----------		03-365/04:26:13.8
8802	M1O	03-365/04:49:53.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
8803	M1O	03-365/04:59:53.0	26	Range Modulation Off		
8804	M1O	03-365/05:02:05.6		NOTE: Enter Solar Eclipse 9070		03-365/04:52:54.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8805	M1O	03-365/05:02:57.2		NOTE: Ascending Node Crossing 9070		03-365/04:53:46.2
8806	M1O	03-365/05:04:53.0	26	X-Band Transmitter Off		
8807	M1O	03-365/05:22:12.0		SPAWN, Engine = 65535, Parameters = 3, 00:34:23, 1	dpt	03-365/05:13:00.9
8808	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
8809	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		
8810	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		
8811	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		
8812	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
8813	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		
8814	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		
8815	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		
8816	M1O	03-365/05:23:15.0		NOTE: ENTER HGA KEEP OUT ZONE		
8817	M1O	03-365/05:23:15.0	15	NOTE: Loss Of X-Band Signal		
8818	M1O	03-365/05:23:15.0	34	NOTE: Loss Of X-Band Signal		
8819	M1O	03-365/05:23:15.0	26	NOTE: Loss Of X-Band Signal		
8820	M1O	03-365/05:23:33.3		NOTE: Exit Solar Eclipse 9070		03-365/05:14:22.3
8821	M1O	03-365/05:30:43.2		NOTE: Enter Planetary Atmosphere 9070		03-365/05:21:32.1
8822	M1O	03-365/05:32:15.4		NOTE: Enter Earth Occultation 9070		03-365/05:23:04.3
8823	M1O	03-365/05:32:52.3		NOTE: North Pole Crossing 9070		03-365/05:23:41.2
8824	M1O	03-365/05:33:16.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
8825	M1O	03-365/05:35:38.9		NOTE: Apoapsis 9070 -		03-365/05:26:27.8
8826	M1O	03-365/05:38:16.0	26	Range Modulation On: SUP=3.0dB		
8827	M1O	03-365/05:39:16.0	26	Begin Ranging Acquisition		
8828	M1O	03-365/05:43:35.1		NOTE: EXIT HGA KEEP OUT ZONE		
8829	M1O	03-365/05:51:05.4		NOTE: Exit Earth Occultation 9070		03-365/05:41:54.3
8830	M1O	03-365/05:51:05.4	15	Acquisition Of X-Band Signal		
8831	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		
8832	M1O	03-365/05:51:05.4	34	Acquisition Of X-Band Signal		
8833	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		
8834	M1O	03-365/05:51:05.4	26	Acquisition Of X-Band Signal		
8835	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		
8836	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		
8837	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		
8838	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		
8839	M1O	03-365/05:52:38.5		NOTE: Exit Planetary Atmosphere 9070		03-365/05:43:27.4
8840	M1O	03-365/05:56:37.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	03-365/05:47:26.0
8841	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		
8842	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		
8843	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		
8844	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
8845	M1O	03-365/06:02:52.0		NOTE: Descending Node Crossing 9071		03-365/05:53:40.8
8846	M1O	03-365/06:32:14.9		NOTE: South Pole Crossing 9071		03-365/06:23:03.6
8847	M1O	03-365/06:34:18.8		NOTE: Periapsis 9071 ----------		03-365/06:25:07.5
8848	M1O	03-365/06:35:00.0	26	NOTE: X-Band Transmitter Off in 15 minutes		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8849	M1O	03-365/06:45:00.0	26	Range Modulation Off		
8850	M1O	03-365/06:50:00.0	26	X-Band Transmitter Off		
8851	M1O	03-365/06:51:37.2	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
8852	M1O	03-365/06:58:58.1		SPAWN, Engine = 65535, Parameters = 3, 00:14:22.305, 1	dpt	03-365/06:49:46.7
8853	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
8854	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		
8855	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		
8856	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		
8857	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
8858	M1O	03-365/07:00:00.0	15	End Tracking		
8859	M1O	03-365/07:00:00.1		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		03-365/06:50:48.7
8860	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
8861	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		
8862	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		
8863	M1O	03-365/07:00:39.3		NOTE: Enter Solar Eclipse 9071		03-365/06:51:27.9
8864	M1O	03-365/07:01:07.0	26	NOTE: Below Uplink Interlock Limit		
8865	M1O	03-365/07:01:32.9		NOTE: Ascending Node Crossing 9071		03-365/06:52:21.5
8866	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		
8867	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		
8868	M1O	03-365/07:09:11.3		SPAWN, Engine = 65535, Parameters =	scdiag	03-365/07:00:00.0
8869	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
8870	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
8871	M1O	03-365/07:10:00.0	26	End Tracking		
8872	M1O	03-365/07:10:14.3		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	03-365/07:01:03.0
8873	M1O	03-365/07:10:14.5		NOTE: Start Block fsw_diag		03-365/07:01:03.2
8874	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
8875	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
8876	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
8877	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
8878	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
8879	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
8880	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
8881	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
8882	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
8883	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
8884	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
8885	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
8886	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
8887	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
8888	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
8889	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8890	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
8891	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
8892	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		
8893	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
8894	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
8895	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
8896	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
8897	M1O	03-365/07:13:25.6		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	03-365/07:04:14.2
8898	M1O	03-365/07:13:36.6		NOTE: End Block fsw_diag.mod		03-365/07:04:25.2
8899	M1O	03-365/07:15:00.0	15	End Post-Cal		
8900	M1O	03-365/07:20:50.4		SPAWN, Engine = 65535, Parameters = 3, 00:33:49.699, 1	dpt	03-365/07:11:39.0
8901	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
8902	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		
8903	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
8904	M1O	03-365/07:21:52.4		NOTE: ENTER HGA KEEP OUT ZONE		
8905	M1O	03-365/07:21:52.4	34	NOTE: Loss Of X-Band Signal		
8906	M1O	03-365/07:22:10.1		NOTE: Exit Solar Eclipse 9071		03-365/07:12:58.7
8907	M1O	03-365/07:25:00.0	26	End Post-Cal		
8908	M1O	03-365/07:29:17.0		NOTE: Enter Planetary Atmosphere 9071		03-365/07:20:05.6
8909	M1O	03-365/07:30:49.1		NOTE: Enter Earth Occultation 9071		03-365/07:21:37.6
8910	M1O	03-365/07:31:28.0		NOTE: North Pole Crossing 9071		03-365/07:22:16.6
8911	M1O	03-365/07:34:20.2		NOTE: Apoapsis 9071 -		03-365/07:25:08.8
8912	M1O	03-365/07:42:12.4		NOTE: EXIT HGA KEEP OUT ZONE		
8913	M1O	03-365/07:49:42.2		NOTE: Exit Earth Occultation 9071		03-365/07:40:30.6
8914	M1O	03-365/07:49:42.2	34	Acquisition Of X-Band Signal		
8915	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		
8916	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
8917	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
8918	M1O	03-365/07:51:14.6		CALL, Engine = , Parameters = 56	get_cmd_opt	03-365/07:42:03.1
8919	M1O	03-365/07:51:14.9		CALL, Engine = , Parameters = 365, 01, 056	bld_autosw	03-365/07:42:03.4
8920	M1O	03-365/07:51:15.1		NOTE: Exit Planetary Atmosphere 9071		03-365/07:42:03.6
8921	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
8922	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
8923	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
8924	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
8925	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
8926	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
8927	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
8928	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
8929	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
8930	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
8931	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8932	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
8933	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
8934	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
8935	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
8936	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
8937	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
8938	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
8939	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
8940	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
8941	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
8942	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
8943	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
8944	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
8945	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
8946	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
8947	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
8948	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
8949	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
8950	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
8951	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
8952	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
8953	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
8954	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
8955	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
8956	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
8957	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
8958	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
8959	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
8960	M1O	03-365/07:51:56.9		CALL, Engine = , Parameters = 56	get_apid	03-365/07:42:45.4
8961	M1O	03-365/07:51:58.0		CALL, Engine = , Parameters = 56	get_rcv_mode	03-365/07:42:46.5
8962	M1O	03-365/07:51:58.2		CALL, Engine = , Parameters = 56	get_dl_rate	03-365/07:42:46.7
8963	M1O	03-365/07:51:59.3		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-365/07:42:47.8
8964	M1O	03-365/07:52:00.5		CALL, Engine = , Parameters = 56	get_coding	03-365/07:42:49.0
8965	M1O	03-365/07:52:01.7		CALL, Engine = , Parameters = 56	get_xmt_mode	03-365/07:42:50.2
8966	M1O	03-365/07:52:02.9		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-365/07:42:51.4
8967	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
8968	M1O	03-365/07:53:08.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-365/07:43:57.2
8969	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
8970	M1O	03-365/07:53:10.7		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-365/07:43:59.2
8971	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
8972	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
8973	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
8974	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
8975	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
8976	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
8977	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		
8978	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
8979	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		
8980	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
8981	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
8982	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
8983	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
8984	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
8985	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
8986	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
8987	M1O	03-365/08:01:27.9		NOTE: Descending Node Crossing 9072		03-365/07:52:16.3
8988	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
8989	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
8990	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
8991	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
8992	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
8993	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
8994	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
8995	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		
8996	M1O	03-365/08:03:20.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-365/07:54:08.8
8997	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
8998	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		
8999	M1O	03-365/08:30:49.5		NOTE: South Pole Crossing 9072		03-365/08:21:37.8
9000	M1O	03-365/08:32:46.4		NOTE: Periapsis 9072 ----------		03-365/08:23:34.8
9001	M1O	03-365/08:59:10.9		NOTE: Enter Solar Eclipse 9072		03-365/08:49:59.2
9002	M1O	03-365/09:00:06.3		NOTE: Ascending Node Crossing 9072		03-365/08:50:54.5
9003	M1O	03-365/09:19:25.7		SPAWN, Engine = 65535, Parameters = 3, 00:33:49.908, 1	dpt	03-365/09:10:14.0
9004	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
9005	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9006	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
9007	M1O	03-365/09:20:27.7		NOTE: ENTER HGA KEEP OUT ZONE		
9008	M1O	03-365/09:20:27.7	34	NOTE: Loss Of X-Band Signal		
9009	M1O	03-365/09:20:45.5		NOTE: Exit Solar Eclipse 9072		03-365/09:11:33.7
9010	M1O	03-365/09:27:46.6		NOTE: Enter Planetary Atmosphere 9072		03-365/09:18:34.8
9011	M1O	03-365/09:29:18.2		NOTE: Enter Earth Occultation 9072		03-365/09:20:06.3
9012	M1O	03-365/09:30:01.2		NOTE: North Pole Crossing 9072		03-365/09:20:49.3
9013	M1O	03-365/09:32:34.7		NOTE: Apoapsis 9072 -		03-365/09:23:22.9
9014	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
9015	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
9016	M1O	03-365/09:38:00.9		CALL, Engine = , Parameters = 56	get_cmd_opt	03-365/09:28:49.1
9017	M1O	03-365/09:38:01.2		CALL, Engine = , Parameters = 365, 02, 056	bld_autosw	03-365/09:28:49.4
9018	M1O	03-365/09:38:02.3		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	03-365/09:28:50.5
9019	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
9020	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
9021	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
9022	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
9023	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
9024	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
9025	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
9026	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
9027	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
9028	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
9029	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
9030	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
9031	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
9032	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
9033	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
9034	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
9035	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
9036	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
9037	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
9038	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
9039	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
9040	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
9041	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
9042	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
9043	M1O	03-365/09:38:28.6		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-365/09:29:16.8

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				d:/dat/056_doy365_pass02_file13.dat, d:/dat/autoswitch.dat		
9044	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
9045	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
9046	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
9047	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
9048	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
9049	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
9050	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
9051	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
9052	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
9053	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
9054	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
9055	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
9056	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
9057	M1O	03-365/09:38:43.2		CALL, Engine = , Parameters = 56	get_apid	03-365/09:29:31.4
9058	M1O	03-365/09:38:44.3		CALL, Engine = , Parameters = 56	get_rcv_mode	03-365/09:29:32.5
9059	M1O	03-365/09:38:44.5		CALL, Engine = , Parameters = 56	get_dl_rate	03-365/09:29:32.7
9060	M1O	03-365/09:38:45.6		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-365/09:29:33.8
9061	M1O	03-365/09:38:46.8		CALL, Engine = , Parameters = 56	get_coding	03-365/09:29:35.0
9062	M1O	03-365/09:38:48.0		CALL, Engine = , Parameters = 56	get_xmt_mode	03-365/09:29:36.2
9063	M1O	03-365/09:38:49.2		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-365/09:29:37.4
9064	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
9065	M1O	03-365/09:39:55.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-365/09:30:43.2
9066	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
9067	M1O	03-365/09:39:57.0		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-365/09:30:45.2
9068	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
9069	M1O	03-365/09:39:59.0		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-365/09:30:47.2
9070	M1O	03-365/09:40:00.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/09:30:48.2
9071	M1O	03-365/09:40:47.8		NOTE: EXIT HGA KEEP OUT ZONE		
9072	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
9073	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
9074	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
9075	M1O	03-365/09:43:02.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/09:33:50.2
9076	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
9077	M1O	03-365/09:45:02.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/09:35:50.2
9078	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
9079	M1O	03-365/09:47:02.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/09:37:50.2
9080	M1O	03-365/09:48:17.7		NOTE: Exit Earth Occultation 9072		03-365/09:39:05.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9081	M1O	03-365/09:48:17.7	34	Acquisition Of X-Band Signal		
9082	M1O	03-365/09:48:17.7	34	Acquire D/L: X/08, 1-Way, BW=3, BR=0.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
9083	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
9084	M1O	03-365/09:49:02.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/09:39:50.2
9085	M1O	03-365/09:49:50.3		NOTE: Exit Planetary Atmosphere 9072		03-365/09:40:38.4
9086	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
9087	M1O	03-365/09:51:02.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/09:41:50.2
9088	M1O	03-365/09:53:01.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	03-365/09:43:49.2
9089	M1O	03-365/09:53:02.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/09:43:50.2
9090	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
9091	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		
9092	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
9093	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		
9094	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
9095	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
9096	M1O	03-365/09:55:02.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/09:45:50.2
9097	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
9098	M1O	03-365/09:57:02.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/09:47:50.2
9099	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
9100	M1O	03-365/09:59:02.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/09:49:50.2
9101	M1O	03-365/10:00:00.5		NOTE: Descending Node Crossing 9073		03-365/09:50:48.6
9102	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
9103	M1O	03-365/10:01:02.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/09:51:50.2
9104	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
9105	M1O	03-365/10:03:02.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/09:53:50.2
9106	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
9107	M1O	03-365/10:05:02.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/09:55:50.2
9108	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
9109	M1O	03-365/10:07:02.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/09:57:50.2
9110	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9111	M1O	03-365/10:09:02.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/09:59:50.2
9112	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
9113	M1O	03-365/10:11:02.1		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	03-365/10:01:50.2
9114	M1O	03-365/10:11:50.9		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	03-365/10:02:39.0
9115	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
9116	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
9117	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
9118	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
9119	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
9120	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
9121	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
9122	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
9123	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
9124	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
9125	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		
9126	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
9127	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
9128	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		
9129	M1O	03-365/10:12:12.2		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-365/10:03:00.3
9130	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
9131	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		
9132	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
9133	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
9134	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
9135	M1O	03-365/10:19:29.7	34	D/L RF Warning: SC antenna change - expect signal level variation		
9136	M1O	03-365/10:19:30.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	03-365/10:10:18.8
9137	M1O	03-365/10:20:00.0	34	End Tracking		
9138	M1O	03-365/10:29:21.2		NOTE: South Pole Crossing 9073		03-365/10:20:09.2
9139	M1O	03-365/10:30:56.6		NOTE: Periapsis 9073 ----------		03-365/10:21:44.6
9140	M1O	03-365/10:35:00.0	34	End Post-Cal		
9141	M1O	03-365/10:57:43.0		NOTE: Enter Solar Eclipse 9073		03-365/10:48:30.9
9142	M1O	03-365/10:58:37.9		NOTE: Ascending Node Crossing 9073		03-365/10:49:25.8
9143	M1O	03-365/11:19:00.1		NOTE: ENTER HGA KEEP OUT ZONE		
9144	M1O	03-365/11:19:17.3		NOTE: Exit Solar Eclipse 9073		03-365/11:10:05.2
9145	M1O	03-365/11:26:16.2		NOTE: Enter Planetary Atmosphere 9073		03-365/11:17:04.0
9146	M1O	03-365/11:27:47.7		NOTE: Enter Earth Occultation 9073		03-365/11:18:35.6
9147	M1O	03-365/11:28:32.3		NOTE: North Pole Crossing 9073		03-365/11:19:20.1
9148	M1O	03-365/11:30:57.3		NOTE: Apoapsis 9073 -		03-365/11:21:45.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9149	M1O	03-365/11:39:20.2		NOTE: EXIT HGA KEEP OUT ZONE		
9150	M1O	03-365/11:46:48.6		NOTE: Exit Earth Occultation 9073		03-365/11:37:36.4
9151	M1O	03-365/11:48:21.1		NOTE: Exit Planetary Atmosphere 9073		03-365/11:39:08.8
9152	M1O	03-365/11:58:30.8		NOTE: Descending Node Crossing 9074		03-365/11:49:18.5
9153	M1O	03-365/12:27:52.2		NOTE: South Pole Crossing 9074		03-365/12:18:39.8
9154	M1O	03-365/12:29:20.1		NOTE: Periapsis 9074 ----------		03-365/12:20:07.7
9155	M1O	03-365/12:56:16.3		NOTE: Enter Solar Eclipse 9074		03-365/12:47:03.8
9156	M1O	03-365/12:57:10.0		NOTE: Ascending Node Crossing 9074		03-365/12:47:57.6
9157	M1O	03-365/13:00:00.0	65	Begin Pre-Cal		
9158	M1O	03-365/13:00:00.0	65	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
9159	M1O	03-365/13:00:00.0	65	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
9160	M1O	03-365/13:00:00.0	65	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
9161	M1O	03-365/13:00:00.0	65	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
9162	M1O	03-365/13:00:00.0	65	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
9163	M1O	03-365/13:00:00.0	65	Config: RCV: Parms:		
9164	M1O	03-365/13:00:00.0	65	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
9165	M1O	03-365/13:00:00.0	65	Config: TGC: BAND=X, SR=79632.000000		
9166	M1O	03-365/13:00:00.0	65	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
9167	M1O	03-365/13:17:30.5		NOTE: ENTER HGA KEEP OUT ZONE		
9168	M1O	03-365/13:17:45.1		NOTE: Exit Solar Eclipse 9074		03-365/13:08:32.6
9169	M1O	03-365/13:24:54.5		NOTE: Enter Planetary Atmosphere 9074		03-365/13:15:41.9
9170	M1O	03-365/13:26:26.9		NOTE: Enter Earth Occultation 9074		03-365/13:17:14.3
9171	M1O	03-365/13:27:05.2		NOTE: North Pole Crossing 9074		03-365/13:17:52.6
9172	M1O	03-365/13:29:37.6		NOTE: Apoapsis 9074 -		03-365/13:20:25.0
9173	M1O	03-365/13:37:50.5		NOTE: EXIT HGA KEEP OUT ZONE		
9174	M1O	03-365/13:45:16.6		NOTE: Exit Earth Occultation 9074		03-365/13:36:04.0
9175	M1O	03-365/13:46:49.9		NOTE: Exit Planetary Atmosphere 9074		03-365/13:37:37.3
9176	M1O	03-365/13:57:04.5		NOTE: Descending Node Crossing 9075		03-365/13:47:51.9
9177	M1O	03-365/14:26:26.4		NOTE: South Pole Crossing 9075		03-365/14:17:13.7
9178	M1O	03-365/14:28:00.7		NOTE: Periapsis 9075 ----------		03-365/14:18:47.9
9179	M1O	03-365/14:29:35.4		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	03-365/14:20:22.6
9180	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
9181	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
9182	M1O	03-365/14:29:37.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	03-365/14:20:24.7
9183	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
9184	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
9185	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
9186	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
9187	M1O	03-365/14:30:00.0	65	Begin Tracking		
9188	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		
9189	M1O	03-365/14:30:00.4		NOTE: Changing to 34M (HEF) downlink rate: 66360_BPS		03-365/14:20:47.6
9190	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
9191	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		
9192	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
9193	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
9194	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		
9195	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
9196	M1O	03-365/14:54:50.8		NOTE: Enter Solar Eclipse 9075		03-365/14:45:38.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9197	M1O	03-365/14:55:44.6		NOTE: Ascending Node Crossing 9075		03-365/14:46:31.8
9198	M1O	03-365/15:15:02.8		SPAWN, Engine = 65535, Parameters = 3, 00:33:43.719, 1	dpt	03-365/15:05:50.0
9199	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
9200	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		
9201	M1O	03-365/15:15:05.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	03-365/15:05:53.1
9202	M1O	03-365/15:16:04.8		NOTE: ENTER HGA KEEP OUT ZONE		
9203	M1O	03-365/15:16:04.8	65	NOTE: Loss Of X-Band Signal		
9204	M1O	03-365/15:16:15.1		NOTE: Exit Solar Eclipse 9075		03-365/15:07:02.2
9205	M1O	03-365/15:23:36.0		NOTE: Enter Planetary Atmosphere 9075		03-365/15:14:23.1
9206	M1O	03-365/15:25:09.1		NOTE: Enter Earth Occultation 9075		03-365/15:15:56.2
9207	M1O	03-365/15:25:41.0		NOTE: North Pole Crossing 9075		03-365/15:16:28.1
9208	M1O	03-365/15:28:08.7		NOTE: Apoapsis 9075 -		03-365/15:18:55.8
9209	M1O	03-365/15:36:04.9		NOTE: EXIT HGA KEEP OUT ZONE		
9210	M1O	03-365/15:43:48.6		NOTE: Exit Earth Occultation 9075		03-365/15:34:35.7
9211	M1O	03-365/15:43:48.6	65	Acquisition Of X-Band Signal		
9212	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		
9213	M1O	03-365/15:45:22.7		NOTE: Exit Planetary Atmosphere 9075		03-365/15:36:09.8
9214	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
9215	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		
9216	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
9217	M1O	03-365/15:55:41.7		NOTE: Descending Node Crossing 9076		03-365/15:46:28.7
9218	M1O	03-365/16:25:03.5		NOTE: South Pole Crossing 9076		03-365/16:15:50.4
9219	M1O	03-365/16:26:39.8		NOTE: Periapsis 9076 ----------		03-365/16:17:26.7
9220	M1O	03-365/16:53:26.8		NOTE: Enter Solar Eclipse 9076		03-365/16:44:13.6
9221	M1O	03-365/16:54:21.2		NOTE: Ascending Node Crossing 9076		03-365/16:45:08.0
9222	M1O	03-365/17:13:39.2		SPAWN, Engine = 65535, Parameters = 3, 00:33:43.661, 1	dpt	03-365/17:04:26.0
9223	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
9224	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		
9225	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
9226	M1O	03-365/17:14:41.2		NOTE: ENTER HGA KEEP OUT ZONE		
9227	M1O	03-365/17:14:41.2	65	NOTE: Loss Of X-Band Signal		
9228	M1O	03-365/17:14:50.0		NOTE: Exit Solar Eclipse 9076		03-365/17:05:36.7
9229	M1O	03-365/17:22:14.0		NOTE: Enter Planetary Atmosphere 9076		03-365/17:13:00.7
9230	M1O	03-365/17:23:47.2		NOTE: Enter Earth Occultation 9076		03-365/17:14:34.0
9231	M1O	03-365/17:24:17.9		NOTE: North Pole Crossing 9076		03-365/17:15:04.6
9232	M1O	03-365/17:26:34.6		NOTE: Apoapsis 9076 -		03-365/17:17:21.3
9233	M1O	03-365/17:34:41.3		NOTE: EXIT HGA KEEP OUT ZONE		
9234	M1O	03-365/17:42:24.9		NOTE: Exit Earth Occultation 9076		03-365/17:33:11.6
9235	M1O	03-365/17:42:24.9	65	Acquisition Of X-Band Signal		
9236	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		
9237	M1O	03-365/17:43:59.2		NOTE: Exit Planetary Atmosphere 9076		03-365/17:34:45.9
9238	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
9239	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		
9240	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
9241	M1O	03-365/17:54:18.8		NOTE: Descending Node Crossing 9077		03-365/17:45:05.4
9242	M1O	03-365/18:23:40.6		NOTE: South Pole Crossing 9077		03-365/18:14:27.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9243	M1O	03-365/18:25:12.4		NOTE: Periapsis 9077 ----------		03-365/18:15:58.9
9244	M1O	03-365/18:40:00.0	26	Begin Pre-Cal		
9245	M1O	03-365/18:40:00.0	26	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
9246	M1O	03-365/18:40:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
9247	M1O	03-365/18:40:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
9248	M1O	03-365/18:40:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
9249	M1O	03-365/18:40:00.0	26	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
9250	M1O	03-365/18:40:00.0	26	Config: RCV: Parms:		
9251	M1O	03-365/18:40:00.0	26	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
9252	M1O	03-365/18:40:00.0	26	Config: TGC: BAND=X, SR=132720.000000		
9253	M1O	03-365/18:40:00.0	26	Config: TXL		
9254	M1O	03-365/18:40:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
9255	M1O	03-365/18:40:00.0	26	Config: CMD		
9256	M1O	03-365/18:40:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
9257	M1O	03-365/18:52:03.7		NOTE: Enter Solar Eclipse 9077		03-365/18:42:50.1
9258	M1O	03-365/18:52:58.3		NOTE: Ascending Node Crossing 9077		03-365/18:43:44.7
9259	M1O	03-365/19:12:16.6		SPAWN, Engine = 65535, Parameters = 3, 00:33:44.597, 1	dpt	03-365/19:03:03.0
9260	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
9261	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		
9262	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
9263	M1O	03-365/19:13:18.6		NOTE: ENTER HGA KEEP OUT ZONE		
9264	M1O	03-365/19:13:18.6	65	NOTE: Loss Of X-Band Signal		
9265	M1O	03-365/19:13:28.2		NOTE: Exit Solar Eclipse 9077		03-365/19:04:14.5
9266	M1O	03-365/19:20:46.9		NOTE: Enter Planetary Atmosphere 9077		03-365/19:11:33.3
9267	M1O	03-365/19:22:19.7		NOTE: Enter Earth Occultation 9077		03-365/19:13:06.1
9268	M1O	03-365/19:22:54.2		NOTE: North Pole Crossing 9077		03-365/19:13:40.5
9269	M1O	03-365/19:24:58.3		NOTE: Apoapsis 9077 -		03-365/19:15:44.6
9270	M1O	03-365/19:33:18.6		NOTE: EXIT HGA KEEP OUT ZONE		
9271	M1O	03-365/19:41:03.2		NOTE: Exit Earth Occultation 9077		03-365/19:31:49.5
9272	M1O	03-365/19:41:03.2	65	Acquisition Of X-Band Signal		
9273	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		
9274	M1O	03-365/19:42:37.0		NOTE: Exit Planetary Atmosphere 9077		03-365/19:33:23.3
9275	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
9276	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		
9277	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
9278	M1O	03-365/19:52:54.1		NOTE: Descending Node Crossing 9078		03-365/19:43:40.3
9279	M1O	03-365/20:10:00.0	26	Begin Tracking		
9280	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		
9281	M1O	03-365/20:22:11.0	26	NOTE: Above Uplink Interlock Limit		
9282	M1O	03-365/20:22:15.8		NOTE: South Pole Crossing 9078		03-365/20:13:02.0
9283	M1O	03-365/20:23:51.2		NOTE: Periapsis 9078 ----------		03-365/20:14:37.4
9284	M1O	03-365/20:25:00.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
9285	M1O	03-365/20:30:00.0	26	Range Modulation On: SUP=3.0dB		
9286	M1O	03-365/20:31:00.0	26	Begin Ranging Acquisition		
9287	M1O	03-365/20:38:25.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
9288	M1O	03-365/20:42:25.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	03-365/20:33:11.3
9289	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
9290	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		
9291	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9292	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
9293	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		
9294	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		
9295	M1O	03-365/20:45:39.9		SPAWN, Engine = 65535, Parameters = 365, 03, TRUE, 00:17:02.455, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	03-365/20:36:26.0
9296	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
9297	M1O	03-365/20:45:43.0		CALL, Engine = , Parameters = 56	get_cmd_opt	03-365/20:36:29.1
9298	M1O	03-365/20:45:43.3		CALL, Engine = , Parameters = 365, 03, 056	bld_autosw	03-365/20:36:29.4
9299	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
9300	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
9301	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
9302	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
9303	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
9304	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
9305	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
9306	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
9307	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
9308	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
9309	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
9310	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
9311	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
9312	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
9313	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
9314	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
9315	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
9316	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
9317	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
9318	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
9319	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
9320	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
9321	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
9322	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
9323	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
9324	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
9325	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
9326	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9327	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
9328	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
9329	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
9330	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
9331	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
9332	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
9333	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
9334	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
9335	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
9336	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
9337	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
9338	M1O	03-365/20:46:25.3		CALL, Engine = , Parameters = 56	get_apid	03-365/20:37:11.4
9339	M1O	03-365/20:46:26.4		CALL, Engine = , Parameters = 56	get_rcv_mode	03-365/20:37:12.5
9340	M1O	03-365/20:46:26.6		CALL, Engine = , Parameters = 56	get_dl_rate	03-365/20:37:12.7
9341	M1O	03-365/20:46:27.7		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-365/20:37:13.8
9342	M1O	03-365/20:46:28.9		CALL, Engine = , Parameters = 56	get_coding	03-365/20:37:15.0
9343	M1O	03-365/20:46:30.1		CALL, Engine = , Parameters = 56	get_xmt_mode	03-365/20:37:16.2
9344	M1O	03-365/20:46:31.3		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-365/20:37:17.4
9345	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
9346	M1O	03-365/20:47:37.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-365/20:38:23.2
9347	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
9348	M1O	03-365/20:47:39.1		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-365/20:38:25.2
9349	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
9350	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
9351	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
9352	M1O	03-365/20:48:25.0	26	Range Modulation Off		
9353	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
9354	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		
9355	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		
9356	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
9357	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		
9358	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		
9359	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
9360	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
9361	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
9362	M1O	03-365/20:50:38.2		NOTE: Enter Solar Eclipse 9078		03-365/20:41:24.3
9363	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
9364	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9365	M1O	03-365/20:51:33.4		NOTE: Ascending Node Crossing 9078		03-365/20:42:19.5
9366	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
9367	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
9368	M1O	03-365/20:53:25.0	26	X-Band Transmitter Off		
9369	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
9370	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
9371	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
9372	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
9373	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
9374	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
9375	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
9376	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
9377	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
9378	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
9379	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
9380	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
9381	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
9382	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
9383	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
9384	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		
9385	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		
9386	M1O	03-365/21:04:56.7		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-365/20:55:42.7
9387	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
9388	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		
9389	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		
9390	M1O	03-365/21:10:50.2		SPAWN, Engine = 65535, Parameters = 3, 00:34:19, 1	dpt	03-365/21:01:36.3
9391	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
9392	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		
9393	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		
9394	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
9395	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		
9396	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		
9397	M1O	03-365/21:11:53.9		NOTE: ENTER HGA KEEP OUT ZONE		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9398	M1O	03-365/21:11:53.9	65	NOTE: Loss Of X-Band Signal		
9399	M1O	03-365/21:11:53.9	26	NOTE: Loss Of X-Band Signal		
9400	M1O	03-365/21:12:06.2		NOTE: Exit Solar Eclipse 9078		03-365/21:02:52.2
9401	M1O	03-365/21:19:15.7		NOTE: Enter Planetary Atmosphere 9078		03-365/21:10:01.7
9402	M1O	03-365/21:20:47.9		NOTE: Enter Earth Occultation 9078		03-365/21:11:33.9
9403	M1O	03-365/21:21:28.2		NOTE: North Pole Crossing 9078		03-365/21:12:14.1
9404	M1O	03-365/21:21:44.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
9405	M1O	03-365/21:23:41.6		NOTE: Apoapsis 9078 -		03-365/21:14:27.6
9406	M1O	03-365/21:26:44.0	26	Range Modulation On: SUP=3.0dB		
9407	M1O	03-365/21:27:44.0	26	Begin Ranging Acquisition		
9408	M1O	03-365/21:31:54.0		NOTE: EXIT HGA KEEP OUT ZONE		
9409	M1O	03-365/21:39:39.4		NOTE: Exit Earth Occultation 9078		03-365/21:30:25.3
9410	M1O	03-365/21:39:39.4	65	Acquisition Of X-Band Signal		
9411	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		
9412	M1O	03-365/21:39:39.4	26	Acquisition Of X-Band Signal		
9413	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		
9414	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		
9415	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		
9416	M1O	03-365/21:41:12.6		NOTE: Exit Planetary Atmosphere 9078		03-365/21:31:58.5
9417	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
9418	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		
9419	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		
9420	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
9421	M1O	03-365/21:51:26.9		NOTE: Descending Node Crossing 9079		03-365/21:42:12.8
9422	M1O	03-365/22:20:48.1		NOTE: South Pole Crossing 9079		03-365/22:11:33.9
9423	M1O	03-365/22:22:24.3		NOTE: Periapsis 9079 ----------		03-365/22:13:10.1
9424	M1O	03-365/22:36:58.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
9425	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
9426	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
9427	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		
9428	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		
9429	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
9430	M1O	03-365/22:43:01.3		CALL, Engine = , Parameters = 56	get_cmd_opt	03-365/22:33:47.1
9431	M1O	03-365/22:43:01.6		CALL, Engine = , Parameters = 365, 04, 056	bld_autosw	03-365/22:33:47.4
9432	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
9433	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
9434	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
9435	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
9436	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
9437	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
9438	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
9439	M1O	03-365/22:43:10.1		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	03-365/22:33:55.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy365_pass04_file04.dat, d:/dat/autoswitch.dat		
9440	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
9441	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
9442	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
9443	M1O	03-365/22:43:14.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy365_pass04_file06.dat, d:/dat/autoswitch.dat	FILE_APPEND	03-365/22:34:00.1
9444	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
9445	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
9446	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
9447	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
9448	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
9449	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
9450	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
9451	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
9452	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
9453	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
9454	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
9455	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
9456	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
9457	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
9458	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
9459	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
9460	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
9461	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
9462	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
9463	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
9464	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
9465	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
9466	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
9467	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
9468	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
9469	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
9470	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
9471	M1O	03-365/22:43:43.6		CALL, Engine = , Parameters = 56	get_apid	03-365/22:34:29.4
9472	M1O	03-365/22:43:44.7		CALL, Engine = , Parameters = 56	get_rcv_mode	03-365/22:34:30.5
9473	M1O	03-365/22:43:44.9		CALL, Engine = , Parameters = 56	get_dl_rate	03-365/22:34:30.7
9474	M1O	03-365/22:43:46.0		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	03-365/22:34:31.8
9475	M1O	03-365/22:43:47.2		CALL, Engine = , Parameters = 56	get_coding	03-365/22:34:33.0
9476	M1O	03-365/22:43:48.4		CALL, Engine = , Parameters = 56	get_xmt_mode	03-365/22:34:34.2
9477	M1O	03-365/22:43:49.6		CALL, Engine = , Parameters = 56	get_cmd_beacon	03-365/22:34:35.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9478	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
9479	M1O	03-365/22:44:55.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	03-365/22:35:41.2
9480	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
9481	M1O	03-365/22:44:57.4		Selects receiving spacecraft ID.: 56	UHF_SC_ID	03-365/22:35:43.2
9482	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
9483	M1O	03-365/22:44:59.4		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK, CONV_VIT	UHF_RCV_MODE	03-365/22:35:45.2
9484	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
9485	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
9486	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
9487	M1O	03-365/22:46:58.0	26	Range Modulation Off		
9488	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
9489	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
9490	M1O	03-365/22:49:09.3		NOTE: Enter Solar Eclipse 9079		03-365/22:39:55.1
9491	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
9492	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
9493	M1O	03-365/22:50:05.3		NOTE: Ascending Node Crossing 9079		03-365/22:40:51.0
9494	M1O	03-365/22:51:58.0	26	X-Band Transmitter Off		
9495	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
9496	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
9497	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
9498	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
9499	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
9500	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
9501	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
9502	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
9503	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
9504	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
9505	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
9506	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
9507	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
9508	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
9509	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
9510	M1O	03-365/23:02:16.8		Passes the specified amount of data, data size parameter, through the PACI interface.:	GRS_PASS_THROUGH	03-365/22:53:02.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				14, 0x8039, 0x0451, 0x0000, 0x0000, 0x0005, 0x0001, 0x8490, 0x0000, 0x0000		
9511	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
9512	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		
9513	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		
9514	M1O	03-365/23:02:18.8		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	03-365/22:53:04.5
9515	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
9516	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		
9517	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		
9518	M1O	03-365/23:09:23.6		SPAWN, Engine = 65535, Parameters = 3, 00:34:17, 1	dpt	03-365/23:00:09.3
9519	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
9520	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		
9521	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		
9522	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
9523	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		
9524	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		
9525	M1O	03-365/23:10:27.3		NOTE: ENTER HGA KEEP OUT ZONE		
9526	M1O	03-365/23:10:27.3	65	NOTE: Loss Of X-Band Signal		
9527	M1O	03-365/23:10:27.3	26	NOTE: Loss Of X-Band Signal		
9528	M1O	03-365/23:10:38.9		NOTE: Exit Solar Eclipse 9079		03-365/23:01:24.6
9529	M1O	03-365/23:17:45.7		NOTE: Enter Planetary Atmosphere 9079		03-365/23:08:31.3
9530	M1O	03-365/23:19:17.8		NOTE: Enter Earth Occultation 9079		03-365/23:10:03.4
9531	M1O	03-365/23:19:59.9		NOTE: North Pole Crossing 9079		03-365/23:10:45.5
9532	M1O	03-365/23:20:15.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
9533	M1O	03-365/23:22:19.3		NOTE: Apoapsis 9079 -		03-365/23:13:04.9
9534	M1O	03-365/23:25:15.0	26	Range Modulation On: SUP=3.0dB		
9535	M1O	03-365/23:26:15.0	26	Begin Ranging Acquisition		
9536	M1O	03-365/23:29:26.0	65	NOTE: Below Uplink Interlock Limit		
9537	M1O	03-365/23:30:00.0	65	End Tracking		
9538	M1O	03-365/23:30:00.9		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		03-365/23:20:46.5
9539	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
9540	M1O	03-365/23:30:27.4		NOTE: EXIT HGA KEEP OUT ZONE		
9541	M1O	03-365/23:38:11.4		NOTE: Exit Earth Occultation 9079		03-365/23:28:57.0
9542	M1O	03-365/23:38:11.4	26	Acquisition Of X-Band Signal		
9543	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		
9544	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		
9545	M1O	03-365/23:39:44.5		NOTE: Exit Planetary Atmosphere 9079		03-365/23:30:30.1
9546	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
9547	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		
9548	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
9549	M1O	03-365/23:45:00.0	65	End Post-Cal		
9550	M1O	03-365/23:49:58.5		NOTE: Descending Node Crossing 9080		03-365/23:40:44.1
9551	M1O	04-001/00:00:00.0		Light Time: OWLT = 09:14, RTLT = 18:29		
9552	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
9553	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9554	M1O	04-001/00:09:24.5		Deletes the designated file.: d:/seq/cz502.abs	FILE_DELETE	04-001/00:00:10.0
9555	M1O	04-001/00:19:18.9		NOTE: South Pole Crossing 9080		04-001/00:10:04.4
9556	M1O	04-001/00:20:39.0		NOTE: Periapsis 9080 ----------		04-001/00:11:24.4
9557	M1O	04-001/00:35:28.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
9558	M1O	04-001/00:45:28.0	26	Range Modulation Off		
9559	M1O	04-001/00:47:40.9		NOTE: Enter Solar Eclipse 9080		04-001/00:38:26.2
9560	M1O	04-001/00:48:35.8		NOTE: Ascending Node Crossing 9080		04-001/00:39:21.2
9561	M1O	04-001/00:50:28.0	26	X-Band Transmitter Off		
9562	M1O	04-001/01:07:55.1		SPAWN, Engine = 65535, Parameters = 3, 00:34:14, 1	dpt	04-001/00:58:40.4
9563	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
9564	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		
9565	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
9566	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		
9567	M1O	04-001/01:08:58.7		NOTE: ENTER HGA KEEP OUT ZONE		
9568	M1O	04-001/01:08:58.7	26	NOTE: Loss Of X-Band Signal		
9569	M1O	04-001/01:09:05.1		NOTE: Exit Solar Eclipse 9080		04-001/00:59:50.4
9570	M1O	04-001/01:16:22.6		NOTE: Enter Planetary Atmosphere 9080		04-001/01:07:07.9
9571	M1O	04-001/01:17:55.4		NOTE: Enter Earth Occultation 9080		04-001/01:08:40.6
9572	M1O	04-001/01:18:31.7		NOTE: North Pole Crossing 9080		04-001/01:09:17.0
9573	M1O	04-001/01:18:42.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
9574	M1O	04-001/01:20:29.7		NOTE: Apoapsis 9080 -		04-001/01:11:14.9
9575	M1O	04-001/01:23:42.0	26	Range Modulation On: SUP=3.0dB		
9576	M1O	04-001/01:24:42.0	26	Begin Ranging Acquisition		
9577	M1O	04-001/01:28:58.7		NOTE: EXIT HGA KEEP OUT ZONE		
9578	M1O	04-001/01:36:39.9		NOTE: Exit Earth Occultation 9080		04-001/01:27:25.1
9579	M1O	04-001/01:36:39.9	26	Acquisition Of X-Band Signal		
9580	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		
9581	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		
9582	M1O	04-001/01:38:13.7		NOTE: Exit Planetary Atmosphere 9080		04-001/01:28:58.9
9583	M1O	04-001/01:38:26.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
9584	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
9585	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		
9586	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
9587	M1O	04-001/01:48:26.0	26	Range Modulation Off		
9588	M1O	04-001/01:48:31.4		NOTE: Descending Node Crossing 9081		04-001/01:39:16.6
9589	M1O	04-001/01:53:26.0	26	X-Band Transmitter Off		
9590	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
9591	M1O	04-001/02:01:31.9		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-001/01:52:17.1
9592	M1O	04-001/02:01:32.9		Forces a desaturation of the reaction wheels.	RW_DESAT	04-001/01:52:18.1
9593	M1O	04-001/02:03:44.8		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-001/01:54:30.0
9594	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
9595	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
9596	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
9597	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
9598	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9599	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
9600	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
9601	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		
9602	M1O	04-001/02:11:06.7		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-001/02:01:51.8
9603	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		
9604	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
9605	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
9606	M1O	04-001/02:11:23.7	26	D/L RF Warning: SC antenna change - expect signal level variation		
9607	M1O	04-001/02:11:24.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-001/02:02:09.8
9608	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		
9609	M1O	04-001/02:13:03.0		CALL, Engine = , Parameters = FALSE	park_hga	04-001/02:03:48.1
9610	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
9611	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
9612	M1O	04-001/02:13:05.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-001/02:03:50.1
9613	M1O	04-001/02:13:05.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-001/02:03:50.1
9614	M1O	04-001/02:13:05.0		NOTE: START HGA PARK		
9615	M1O	04-001/02:13:05.0	26	NOTE: Loss Of X-Band Signal		
9616	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
9617	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
9618	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
9619	M1O	04-001/02:17:52.6		NOTE: South Pole Crossing 9081		04-001/02:08:37.6
9620	M1O	04-001/02:19:01.8		NOTE: Periapsis 9081 ----------		04-001/02:09:46.8
9621	M1O	04-001/02:21:07.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-001/02:11:52.1
9622	M1O	04-001/02:21:07.0		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-001/02:11:52.1
9623	M1O	04-001/02:46:17.7		NOTE: Enter Solar Eclipse 9081		04-001/02:37:02.7
9624	M1O	04-001/02:47:10.7		NOTE: Ascending Node Crossing 9081		04-001/02:37:55.7
9625	M1O	04-001/02:51:07.0		GV: GV_DESAT_ACTIVE = 1		04-001/02:41:52.0
9626	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
9627	M1O	04-001/02:51:08.0		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-001/02:41:53.0
9628	M1O	04-001/03:01:07.0		GV: GV_DESAT_ACTIVE = 0		04-001/02:51:52.0
9629	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
9630	M1O	04-001/03:01:09.0		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-001/02:51:54.0
9631	M1O	04-001/03:01:10.0		CALL, Engine = , Parameters =	unpark_hga	04-001/02:51:55.0
9632	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
9633	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
9634	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
9635	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
9636	M1O	04-001/03:07:31.0		NOTE: ENTER HGA KEEP OUT ZONE		
9637	M1O	04-001/03:07:35.6		NOTE: Exit Solar Eclipse 9081		04-001/02:58:20.6
9638	M1O	04-001/03:09:42.0		NOTE: EXIT HGA PARK		
9639	M1O	04-001/03:15:02.3		NOTE: Enter Planetary Atmosphere 9081		04-001/03:05:47.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9640	M1O	04-001/03:16:35.7		NOTE: Enter Earth Occultation 9081		04-001/03:07:20.6
9641	M1O	04-001/03:17:06.9		NOTE: North Pole Crossing 9081		04-001/03:07:51.8
9642	M1O	04-001/03:17:13.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
9643	M1O	04-001/03:19:02.9		NOTE: Apoapsis 9081 -		04-001/03:09:47.8
9644	M1O	04-001/03:22:13.0	26	Range Modulation On: SUP=3.0dB		
9645	M1O	04-001/03:23:13.0	26	Begin Ranging Acquisition		
9646	M1O	04-001/03:27:31.1		NOTE: EXIT HGA KEEP OUT ZONE		
9647	M1O	04-001/03:34:46.3		SPAWN, Engine = 65535, Parameters = 00:05:31.248	cstr	04-001/03:25:31.1
9648	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
9649	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
9650	M1O	04-001/03:34:48.4		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-001/03:25:33.2
9651	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
9652	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
9653	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
9654	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
9655	M1O	04-001/03:35:11.3		NOTE: Exit Earth Occultation 9081		04-001/03:25:56.1
9656	M1O	04-001/03:35:11.3	26	Acquisition Of X-Band Signal		
9657	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		
9658	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		
9659	M1O	04-001/03:36:45.7		NOTE: Exit Planetary Atmosphere 9081		04-001/03:27:30.5
9660	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
9661	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
9662	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		
9663	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
9664	M1O	04-001/03:47:06.9		NOTE: Descending Node Crossing 9082		04-001/03:37:51.7
9665	M1O	04-001/04:16:29.4		NOTE: South Pole Crossing 9082		04-001/04:07:14.1
9666	M1O	04-001/04:18:00.8		NOTE: Periapsis 9082 ----------		04-001/04:08:45.5
9667	M1O	04-001/04:32:35.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
9668	M1O	04-001/04:42:35.0	26	Range Modulation Off		
9669	M1O	04-001/04:44:54.6		NOTE: Enter Solar Eclipse 9082		04-001/04:35:39.2
9670	M1O	04-001/04:45:48.1		NOTE: Ascending Node Crossing 9082		04-001/04:36:32.7
9671	M1O	04-001/04:47:35.0	26	X-Band Transmitter Off		
9672	M1O	04-001/05:05:02.8		SPAWN, Engine = 65535, Parameters = 3, 00:34:12, 1	dpt	04-001/04:55:47.4
9673	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
9674	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		
9675	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
9676	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		
9677	M1O	04-001/05:06:06.4		NOTE: ENTER HGA KEEP OUT ZONE		
9678	M1O	04-001/05:06:06.4	26	NOTE: Loss Of X-Band Signal		
9679	M1O	04-001/05:06:11.8		NOTE: Exit Solar Eclipse 9082		04-001/04:56:56.4
9680	M1O	04-001/05:13:39.7		NOTE: Enter Planetary Atmosphere 9082		04-001/05:04:24.3
9681	M1O	04-001/05:15:13.4		NOTE: Enter Earth Occultation 9082		04-001/05:05:57.9
9682	M1O	04-001/05:15:43.8		NOTE: North Pole Crossing 9082		04-001/05:06:28.3
9683	M1O	04-001/05:15:47.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
9684	M1O	04-001/05:18:11.8		NOTE: Apoapsis 9082 -		04-001/05:08:56.3
9685	M1O	04-001/05:20:00.0	45	Begin Pre-Cal		
9686	M1O	04-001/05:20:00.0	45	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9687	M1O	04-001/05:20:00.0	45	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
9688	M1O	04-001/05:20:00.0	45	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
9689	M1O	04-001/05:20:00.0	45	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
9690	M1O	04-001/05:20:00.0	45	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
9691	M1O	04-001/05:20:00.0	45	Config: RCV: Parms:		
9692	M1O	04-001/05:20:00.0	45	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
9693	M1O	04-001/05:20:00.0	45	Config: TGC: BAND=X, SR=79632.000000		
9694	M1O	04-001/05:20:00.0	45	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
9695	M1O	04-001/05:20:47.0	26	Range Modulation On: SUP=3.0dB		
9696	M1O	04-001/05:21:47.0	26	Begin Ranging Acquisition		
9697	M1O	04-001/05:26:06.5		NOTE: EXIT HGA KEEP OUT ZONE		
9698	M1O	04-001/05:33:45.8		NOTE: Exit Earth Occultation 9082		04-001/05:24:30.3
9699	M1O	04-001/05:33:45.8	26	Acquisition Of X-Band Signal		
9700	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		
9701	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		
9702	M1O	04-001/05:35:20.4		NOTE: Exit Planetary Atmosphere 9082		04-001/05:26:04.9
9703	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
9704	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		
9705	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
9706	M1O	04-001/05:45:43.8		NOTE: Descending Node Crossing 9083		04-001/05:36:28.2
9707	M1O	04-001/06:15:06.7		NOTE: South Pole Crossing 9083		04-001/06:05:51.1
9708	M1O	04-001/06:17:03.5		NOTE: Periapsis 9083 ----------		04-001/06:07:47.8
9709	M1O	04-001/06:31:31.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
9710	M1O	04-001/06:41:31.0	26	Range Modulation Off		
9711	M1O	04-001/06:43:29.6		NOTE: Enter Solar Eclipse 9083		04-001/06:34:13.8
9712	M1O	04-001/06:44:25.0		NOTE: Ascending Node Crossing 9083		04-001/06:35:09.3
9713	M1O	04-001/06:46:31.0	26	X-Band Transmitter Off		
9714	M1O	04-001/06:48:58.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-001/06:39:42.3
9715	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
9716	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		
9717	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
9718	M1O	04-001/06:50:00.0	45	Begin Tracking		
9719	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		
9720	M1O	04-001/06:50:00.1		NOTE: Changing to 34M (HEF) downlink rate: 66360_BPS		04-001/06:40:44.3
9721	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
9722	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		
9723	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		
9724	M1O	04-001/06:51:28.4	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
9725	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
9726	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		
9727	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		
9728	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
9729	M1O	04-001/07:00:07.0	26	NOTE: Below Uplink Interlock Limit		
9730	M1O	04-001/07:04:00.3		SPAWN, Engine = 65535, Parameters = 3, 00:33:19.724, 1	dpt	04-001/06:54:44.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9731	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
9732	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		
9733	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		
9734	M1O	04-001/07:04:03.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-001/06:54:47.6
9735	M1O	04-001/07:04:49.2		NOTE: Exit Solar Eclipse 9083		04-001/06:55:33.4
9736	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		
9737	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		
9738	M1O	04-001/07:05:03.8		NOTE: ENTER HGA KEEP OUT ZONE		
9739	M1O	04-001/07:05:03.8	45	NOTE: Loss Of X-Band Signal		
9740	M1O	04-001/07:05:03.8	26	NOTE: Loss Of X-Band Signal		
9741	M1O	04-001/07:09:15.8		SPAWN, Engine = 65535, Parameters =	scdiag	04-001/07:00:00.0
9742	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
9743	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
9744	M1O	04-001/07:10:00.0	26	End Tracking		
9745	M1O	04-001/07:10:18.8		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-001/07:01:03.0
9746	M1O	04-001/07:10:19.0		NOTE: Start Block fsw_diag		04-001/07:01:03.2
9747	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
9748	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
9749	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
9750	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
9751	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
9752	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
9753	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
9754	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
9755	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
9756	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
9757	M1O	04-001/07:12:15.2		NOTE: Enter Planetary Atmosphere 9083		04-001/07:02:59.4
9758	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
9759	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
9760	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
9761	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
9762	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
9763	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
9764	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
9765	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
9766	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
9767	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
9768	M1O	04-001/07:13:30.0		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-001/07:04:14.2
9769	M1O	04-001/07:13:41.0		NOTE: End Block fsw_diag.mod		04-001/07:04:25.2
9770	M1O	04-001/07:13:48.9		NOTE: Enter Earth Occultation 9083		04-001/07:04:33.1
9771	M1O	04-001/07:14:20.5		NOTE: North Pole Crossing 9083		04-001/07:05:04.7
9772	M1O	04-001/07:17:10.4		NOTE: Apoapsis 9083 -		04-001/07:07:54.5
9773	M1O	04-001/07:24:43.8		NOTE: EXIT HGA KEEP OUT ZONE		
9774	M1O	04-001/07:25:00.0	26	End Post-Cal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9775	M1O	04-001/07:32:22.1		NOTE: Exit Earth Occultation 9083		04-001/07:23:06.2
9776	M1O	04-001/07:32:22.1	45	Acquisition Of X-Band Signal		
9777	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		
9778	M1O	04-001/07:33:56.7		NOTE: Exit Planetary Atmosphere 9083		04-001/07:24:40.8
9779	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
9780	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		
9781	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
9782	M1O	04-001/07:44:20.8		NOTE: Descending Node Crossing 9084		04-001/07:35:04.9
9783	M1O	04-001/08:13:42.9		NOTE: South Pole Crossing 9084		04-001/08:04:26.8
9784	M1O	04-001/08:15:46.9		NOTE: Periapsis 9084 ----------		04-001/08:06:30.9
9785	M1O	04-001/08:42:02.2		NOTE: Enter Solar Eclipse 9084		04-001/08:32:46.1
9786	M1O	04-001/08:42:59.9		NOTE: Ascending Node Crossing 9084		04-001/08:33:43.8
9787	M1O	04-001/09:02:19.1		SPAWN, Engine = 65535, Parameters = 3, 00:33:37.646, 1	dpt	04-001/08:53:03.0
9788	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
9789	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		
9790	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
9791	M1O	04-001/09:03:21.1		NOTE: ENTER HGA KEEP OUT ZONE		
9792	M1O	04-001/09:03:21.1	45	NOTE: Loss Of X-Band Signal		
9793	M1O	04-001/09:03:26.1		NOTE: Exit Solar Eclipse 9084		04-001/08:54:09.9
9794	M1O	04-001/09:10:46.6		NOTE: Enter Planetary Atmosphere 9084		04-001/09:01:30.4
9795	M1O	04-001/09:12:19.9		NOTE: Enter Earth Occultation 9084		04-001/09:03:03.7
9796	M1O	04-001/09:12:55.2		NOTE: North Pole Crossing 9084		04-001/09:03:39.0
9797	M1O	04-001/09:15:39.7		NOTE: Apoapsis 9084 -		04-001/09:06:23.5
9798	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
9799	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
9800	M1O	04-001/09:21:26.3		CALL, Engine = , Parameters = 56	get_cmd_opt	04-001/09:12:10.1
9801	M1O	04-001/09:21:26.6		CALL, Engine = , Parameters = 001, 01, 056	bld_autosw	04-001/09:12:10.4
9802	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
9803	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
9804	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
9805	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
9806	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
9807	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
9808	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
9809	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
9810	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
9811	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
9812	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
9813	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
9814	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
9815	M1O	04-001/09:21:41.4		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-001/09:12:25.2

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				d:/dat/056_doy001_pass01_file07.dat, d:/dat/autoswitch.dat		
9816	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
9817	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
9818	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
9819	M1O	04-001/09:21:45.6		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy001_pass01_file09.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-001/09:12:29.4
9820	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
9821	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
9822	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
9823	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
9824	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
9825	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
9826	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
9827	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
9828	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
9829	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
9830	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
9831	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
9832	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
9833	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
9834	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
9835	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
9836	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
9837	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
9838	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
9839	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
9840	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
9841	M1O	04-001/09:22:08.6		CALL, Engine = , Parameters = 56	get_apid	04-001/09:12:52.4
9842	M1O	04-001/09:22:09.7		CALL, Engine = , Parameters = 56	get_rcv_mode	04-001/09:12:53.5
9843	M1O	04-001/09:22:09.9		CALL, Engine = , Parameters = 56	get_dl_rate	04-001/09:12:53.7
9844	M1O	04-001/09:22:11.0		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-001/09:12:54.8
9845	M1O	04-001/09:22:12.2		CALL, Engine = , Parameters = 56	get_coding	04-001/09:12:56.0
9846	M1O	04-001/09:22:13.4		CALL, Engine = , Parameters = 56	get_xmt_mode	04-001/09:12:57.2
9847	M1O	04-001/09:22:14.6		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-001/09:12:58.4
9848	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
9849	M1O	04-001/09:23:20.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-001/09:14:04.2
9850	M1O	04-001/09:23:21.2		NOTE: EXIT HGA KEEP OUT ZONE		
9851	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
9852	M1O	04-001/09:23:22.4		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-001/09:14:06.2
9853	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
9854	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
9855	M1O	04-001/09:23:25.4		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	04-001/09:14:09.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				BYPASS_COD, PSK		
9856	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
9857	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
9858	M1O	04-001/09:26:26.4		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-001/09:17:10.2
9859	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
9860	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
9861	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
9862	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
9863	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
9864	M1O	04-001/09:30:58.9		NOTE: Exit Earth Occultation 9084		04-001/09:21:42.6
9865	M1O	04-001/09:30:58.9	45	Acquisition Of X-Band Signal		
9866	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		
9867	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
9868	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
9869	M1O	04-001/09:32:33.1		NOTE: Exit Planetary Atmosphere 9084		04-001/09:23:16.8
9870	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
9871	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
9872	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
9873	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		
9874	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
9875	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		
9876	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
9877	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
9878	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
9879	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
9880	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
9881	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
9882	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
9883	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
9884	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
9885	M1O	04-001/09:42:55.2		NOTE: Descending Node Crossing 9085		04-001/09:33:38.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9886	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
9887	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
9888	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
9889	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
9890	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
9891	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
9892	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
9893	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
9894	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
9895	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
9896	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
9897	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
9898	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
9899	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
9900	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
9901	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
9902	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
9903	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		
9904	M1O	04-001/09:55:37.6		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-001/09:46:21.3
9905	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
9906	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		
9907	M1O	04-001/10:11:50.3		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-001/10:02:34.0
9908	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
9909	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
9910	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
9911	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
9912	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
9913	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
9914	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
9915	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		
9916	M1O	04-001/10:12:16.1		NOTE: South Pole Crossing 9085		04-001/10:02:59.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9917	M1O	04-001/10:14:02.7		NOTE: Periapsis 9085 ----------		04-001/10:04:46.3
9918	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
9919	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		
9920	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
9921	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
9922	M1O	04-001/10:19:29.2	45	D/L RF Warning: SC antenna change - expect signal level variation		
9923	M1O	04-001/10:19:30.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-001/10:10:13.8
9924	M1O	04-001/10:20:00.0	45	End Tracking		
9925	M1O	04-001/10:35:00.0	45	End Post-Cal		
9926	M1O	04-001/10:40:34.1		NOTE: Enter Solar Eclipse 9085		04-001/10:31:17.6
9927	M1O	04-001/10:41:32.4		NOTE: Ascending Node Crossing 9085		04-001/10:32:15.9
9928	M1O	04-001/11:01:55.5		NOTE: ENTER HGA KEEP OUT ZONE		
9929	M1O	04-001/11:02:00.4		NOTE: Exit Solar Eclipse 9085		04-001/10:52:43.8
9930	M1O	04-001/11:09:15.1		NOTE: Enter Planetary Atmosphere 9085		04-001/10:59:58.6
9931	M1O	04-001/11:10:48.0		NOTE: Enter Earth Occultation 9085		04-001/11:01:31.4
9932	M1O	04-001/11:11:27.2		NOTE: North Pole Crossing 9085		04-001/11:02:10.7
9933	M1O	04-001/11:13:52.9		NOTE: Apoapsis 9085 -		04-001/11:04:36.4
9934	M1O	04-001/11:21:55.5		NOTE: EXIT HGA KEEP OUT ZONE		
9935	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
9936	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
9937	M1O	04-001/11:26:48.7		CALL, Engine = , Parameters = 56	get_cmd_opt	04-001/11:17:32.1
9938	M1O	04-001/11:26:49.0		CALL, Engine = , Parameters = 001, 02, 056	bld_autosw	04-001/11:17:32.4
9939	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
9940	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
9941	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
9942	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
9943	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
9944	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
9945	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
9946	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
9947	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
9948	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
9949	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
9950	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
9951	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
9952	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
9953	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
9954	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
9955	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
9956	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
9957	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
9958	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
9959	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
9960	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
9961	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
9962	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
9963	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
9964	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
9965	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
9966	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
9967	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
9968	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
9969	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
9970	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
9971	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
9972	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
9973	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
9974	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
9975	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
9976	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
9977	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
9978	M1O	04-001/11:27:31.0		CALL, Engine = , Parameters = 56	get_apid	04-001/11:18:14.4
9979	M1O	04-001/11:27:32.1		CALL, Engine = , Parameters = 56	get_rcv_mode	04-001/11:18:15.5
9980	M1O	04-001/11:27:32.3		CALL, Engine = , Parameters = 56	get_dl_rate	04-001/11:18:15.7
9981	M1O	04-001/11:27:33.4		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-001/11:18:16.8
9982	M1O	04-001/11:27:34.6		CALL, Engine = , Parameters = 56	get_coding	04-001/11:18:18.0
9983	M1O	04-001/11:27:35.8		CALL, Engine = , Parameters = 56	get_xmt_mode	04-001/11:18:19.2
9984	M1O	04-001/11:27:37.0		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-001/11:18:20.4
9985	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
9986	M1O	04-001/11:28:42.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-001/11:19:26.2
9987	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
9988	M1O	04-001/11:28:44.8		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-001/11:19:28.2
9989	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
9990	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
9991	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
9992	M1O	04-001/11:29:32.8		NOTE: Exit Earth Occultation 9085		04-001/11:20:16.2
9993	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
9994	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
9995	M1O	04-001/11:31:06.6		NOTE: Exit Planetary Atmosphere 9085		04-001/11:21:50.0
9996	M1O	04-001/11:31:48.8		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK,	UHF_XMIT_MODE	04-001/11:22:32.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT, DISABLE		
9997	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
9998	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
9999	M1O	04-001/11:33:49.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-001/11:24:33.2
10000	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
10001	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
10002	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
10003	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
10004	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
10005	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
10006	M1O	04-001/11:41:26.3		NOTE: Descending Node Crossing 9086		04-001/11:32:09.7
10007	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
10008	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
10009	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
10010	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
10011	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
10012	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
10013	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
10014	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
10015	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
10016	M1O	04-001/11:44:12.0		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-001/11:34:55.3
10017	M1O	04-001/12:10:47.2		NOTE: South Pole Crossing 9086		04-001/12:01:30.4
10018	M1O	04-001/12:12:18.1		NOTE: Periapsis 9086 ----------		04-001/12:03:01.3
10019	M1O	04-001/12:39:06.8		NOTE: Enter Solar Eclipse 9086		04-001/12:29:49.9
10020	M1O	04-001/12:40:04.2		NOTE: Ascending Node Crossing 9086		04-001/12:30:47.3
10021	M1O	04-001/13:00:25.8		NOTE: ENTER HGA KEEP OUT ZONE		
10022	M1O	04-001/13:00:30.2		NOTE: Exit Solar Eclipse 9086		04-001/12:51:13.3
10023	M1O	04-001/13:07:48.4		NOTE: Enter Planetary Atmosphere 9086		04-001/12:58:31.4
10024	M1O	04-001/13:09:21.6		NOTE: Enter Earth Occultation 9086		04-001/13:00:04.7
10025	M1O	04-001/13:09:58.8		NOTE: North Pole Crossing 9086		04-001/13:00:41.9
10026	M1O	04-001/13:12:32.7		NOTE: Apoapsis 9086 -		04-001/13:03:15.8
10027	M1O	04-001/13:20:25.9		NOTE: EXIT HGA KEEP OUT ZONE		
10028	M1O	04-001/13:28:01.7		NOTE: Exit Earth Occultation 9086		04-001/13:18:44.7
10029	M1O	04-001/13:29:35.8		NOTE: Exit Planetary Atmosphere 9086		04-001/13:20:18.9
10030	M1O	04-001/13:39:57.8		NOTE: Descending Node Crossing 9087		04-001/13:30:40.8
10031	M1O	04-001/14:09:19.5		NOTE: South Pole Crossing 9087		04-001/14:00:02.3
10032	M1O	04-001/14:10:52.7		NOTE: Periapsis 9087 ----------		04-001/14:01:35.6
10033	M1O	04-001/14:37:40.8		NOTE: Enter Solar Eclipse 9087		04-001/14:28:23.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10034	M1O	04-001/14:38:37.4		NOTE: Ascending Node Crossing 9087		04-001/14:29:20.2
10035	M1O	04-001/14:58:58.2		NOTE: ENTER HGA KEEP OUT ZONE		
10036	M1O	04-001/14:58:58.3		NOTE: Exit Solar Eclipse 9087		04-001/14:49:41.0
10037	M1O	04-001/15:06:29.7		NOTE: Enter Planetary Atmosphere 9087		04-001/14:57:12.4
10038	M1O	04-001/15:08:04.0		NOTE: Enter Earth Occultation 9087		04-001/14:58:46.7
10039	M1O	04-001/15:08:33.5		NOTE: North Pole Crossing 9087		04-001/14:59:16.2
10040	M1O	04-001/15:11:07.2		NOTE: Apoapsis 9087 -		04-001/15:01:49.9
10041	M1O	04-001/15:18:58.3		NOTE: EXIT HGA KEEP OUT ZONE		
10042	M1O	04-001/15:26:31.2		NOTE: Exit Earth Occultation 9087		04-001/15:17:13.8
10043	M1O	04-001/15:28:06.4		NOTE: Exit Planetary Atmosphere 9087		04-001/15:18:49.0
10044	M1O	04-001/15:38:33.9		NOTE: Descending Node Crossing 9088		04-001/15:29:16.5
10045	M1O	04-001/15:45:00.0	54	Begin Pre-Cal		
10046	M1O	04-001/15:45:00.0	54	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
10047	M1O	04-001/15:45:00.0	54	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
10048	M1O	04-001/15:45:00.0	54	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
10049	M1O	04-001/15:45:00.0	54	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
10050	M1O	04-001/15:45:00.0	54	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
10051	M1O	04-001/15:45:00.0	54	Config: RCV: Parms:		
10052	M1O	04-001/15:45:00.0	54	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
10053	M1O	04-001/15:45:00.0	54	Config: TGC: BAND=X, SR=132720.000000		
10054	M1O	04-001/15:45:00.0	54	Config: TXL		
10055	M1O	04-001/15:45:00.0	54	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
10056	M1O	04-001/15:45:00.0	54	Config: CMD		
10057	M1O	04-001/15:45:00.0	54	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
10058	M1O	04-001/16:07:55.6		NOTE: South Pole Crossing 9088		04-001/15:58:38.1
10059	M1O	04-001/16:09:34.0		NOTE: Periapsis 9088 ----------		04-001/16:00:16.5
10060	M1O	04-001/16:36:16.0		NOTE: Enter Solar Eclipse 9088		04-001/16:26:58.4
10061	M1O	04-001/16:37:13.2		NOTE: Ascending Node Crossing 9088		04-001/16:27:55.6
10062	M1O	04-001/16:57:30.7		NOTE: Exit Solar Eclipse 9088		04-001/16:48:13.1
10063	M1O	04-001/16:57:53.6		NOTE: ENTER HGA KEEP OUT ZONE		
10064	M1O	04-001/17:05:09.9		NOTE: Enter Planetary Atmosphere 9088		04-001/16:55:52.2
10065	M1O	04-001/17:06:44.6		NOTE: Enter Earth Occultation 9088		04-001/16:57:26.9
10066	M1O	04-001/17:07:10.0		NOTE: North Pole Crossing 9088		04-001/16:57:52.3
10067	M1O	04-001/17:09:35.2		NOTE: Apoapsis 9088 -		04-001/17:00:17.5
10068	M1O	04-001/17:15:00.0	54	Begin Tracking		
10069	M1O	04-001/17:15:00.9		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-001/17:05:43.2
10070	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
10071	M1O	04-001/17:16:00.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10072	M1O	04-001/17:17:33.6		NOTE: EXIT HGA KEEP OUT ZONE		
10073	M1O	04-001/17:21:00.0	54	Range Modulation On: SUP=3.0dB		
10074	M1O	04-001/17:22:00.0	54	Begin Ranging Acquisition		
10075	M1O	04-001/17:24:40.5		SPAWN, Engine = 65535, Parameters = 00:14:28.842	cstr	04-001/17:15:22.7
10076	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
10077	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
10078	M1O	04-001/17:24:42.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-001/17:15:24.8
10079	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
10080	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
10081	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
10082	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
10083	M1O	04-001/17:25:05.5		NOTE: Exit Earth Occultation 9088		04-001/17:15:47.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10084	M1O	04-001/17:25:05.5	54	Acquisition Of X-Band Signal		
10085	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		
10086	M1O	04-001/17:26:41.1		NOTE: Exit Planetary Atmosphere 9088		04-001/17:17:23.4
10087	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		
10088	M1O	04-001/17:37:11.2		NOTE: Descending Node Crossing 9089		04-001/17:27:53.5
10089	M1O	04-001/17:39:33.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-001/17:30:15.7
10090	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
10091	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		
10092	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
10093	M1O	04-001/18:06:32.8		NOTE: South Pole Crossing 9089		04-001/17:57:15.0
10094	M1O	04-001/18:08:08.5		NOTE: Periapsis 9089 ----------		04-001/17:58:50.6
10095	M1O	04-001/18:22:54.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
10096	M1O	04-001/18:32:54.0	54	Range Modulation Off		
10097	M1O	04-001/18:34:52.5		NOTE: Enter Solar Eclipse 9089		04-001/18:25:34.6
10098	M1O	04-001/18:35:50.1		NOTE: Ascending Node Crossing 9089		04-001/18:26:32.2
10099	M1O	04-001/18:37:54.0	54	X-Band Transmitter Off		
10100	M1O	04-001/18:55:27.7		SPAWN, Engine = 65535, Parameters = 3, 00:33:45, 1	dpt	04-001/18:46:09.7
10101	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
10102	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		
10103	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
10104	M1O	04-001/18:56:07.5		NOTE: Exit Solar Eclipse 9089		04-001/18:46:49.5
10105	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		
10106	M1O	04-001/18:56:30.9		NOTE: ENTER HGA KEEP OUT ZONE		
10107	M1O	04-001/18:56:30.9	54	NOTE: Loss Of X-Band Signal		
10108	M1O	04-001/19:03:45.1		NOTE: Enter Planetary Atmosphere 9089		04-001/18:54:27.0
10109	M1O	04-001/19:05:19.5		NOTE: Enter Earth Occultation 9089		04-001/18:56:01.5
10110	M1O	04-001/19:05:39.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10111	M1O	04-001/19:05:46.6		NOTE: North Pole Crossing 9089		04-001/18:56:28.6
10112	M1O	04-001/19:07:57.0		NOTE: Apoapsis 9089 -		04-001/18:58:39.0
10113	M1O	04-001/19:10:39.0	54	Range Modulation On: SUP=3.0dB		
10114	M1O	04-001/19:11:39.0	54	Begin Ranging Acquisition		
10115	M1O	04-001/19:16:11.0		NOTE: EXIT HGA KEEP OUT ZONE		
10116	M1O	04-001/19:23:43.1		NOTE: Exit Earth Occultation 9089		04-001/19:14:25.0
10117	M1O	04-001/19:23:43.1	54	Acquisition Of X-Band Signal		
10118	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		
10119	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		
10120	M1O	04-001/19:25:18.6		NOTE: Exit Planetary Atmosphere 9089		04-001/19:16:00.5
10121	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
10122	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		
10123	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
10124	M1O	04-001/19:35:47.3		NOTE: Descending Node Crossing 9090		04-001/19:26:29.2
10125	M1O	04-001/20:05:09.0		NOTE: South Pole Crossing 9090		04-001/19:55:50.8
10126	M1O	04-001/20:06:42.6		NOTE: Periapsis 9090 ----------		04-001/19:57:24.3
10127	M1O	04-001/20:21:30.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
10128	M1O	04-001/20:31:30.0	54	Range Modulation Off		
10129	M1O	04-001/20:33:28.7		NOTE: Enter Solar Eclipse 9090		04-001/20:24:10.4
10130	M1O	04-001/20:34:26.5		NOTE: Ascending Node Crossing 9090		04-001/20:25:08.2
10131	M1O	04-001/20:36:30.0	54	X-Band Transmitter Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10132	M1O	04-001/20:54:04.0		SPAWN, Engine = 65535, Parameters = 3, 00:33:46, 1	dpt	04-001/20:44:45.7
10133	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
10134	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		
10135	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
10136	M1O	04-001/20:54:46.5		NOTE: Exit Solar Eclipse 9090		04-001/20:45:28.1
10137	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		
10138	M1O	04-001/20:55:07.3		NOTE: ENTER HGA KEEP OUT ZONE		
10139	M1O	04-001/20:55:07.3	54	NOTE: Loss Of X-Band Signal		
10140	M1O	04-001/21:02:15.0		NOTE: Enter Planetary Atmosphere 9090		04-001/20:52:56.6
10141	M1O	04-001/21:03:48.8		NOTE: Enter Earth Occultation 9090		04-001/20:54:30.4
10142	M1O	04-001/21:04:16.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10143	M1O	04-001/21:04:21.8		NOTE: North Pole Crossing 9090		04-001/20:55:03.4
10144	M1O	04-001/21:06:27.3		NOTE: Apoapsis 9090 -		04-001/20:57:08.9
10145	M1O	04-001/21:09:16.0	54	Range Modulation On: SUP=3.0dB		
10146	M1O	04-001/21:10:16.0	54	Begin Ranging Acquisition		
10147	M1O	04-001/21:14:47.4		NOTE: EXIT HGA KEEP OUT ZONE		
10148	M1O	04-001/21:22:21.1		NOTE: Exit Earth Occultation 9090		04-001/21:13:02.7
10149	M1O	04-001/21:22:21.1	54	Acquisition Of X-Band Signal		
10150	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		
10151	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		
10152	M1O	04-001/21:23:55.9		NOTE: Exit Planetary Atmosphere 9090		04-001/21:14:37.4
10153	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
10154	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		
10155	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
10156	M1O	04-001/21:34:21.1		NOTE: Descending Node Crossing 9091		04-001/21:25:02.6
10157	M1O	04-001/21:40:00.0	25	Begin Pre-Cal		
10158	M1O	04-001/21:40:00.0	25	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
10159	M1O	04-001/21:40:00.0	25	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
10160	M1O	04-001/21:40:00.0	25	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
10161	M1O	04-001/21:40:00.0	25	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
10162	M1O	04-001/21:40:00.0	25	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
10163	M1O	04-001/21:40:00.0	25	Config: RCV: Parms:		
10164	M1O	04-001/21:40:00.0	25	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
10165	M1O	04-001/21:40:00.0	25	Config: TGC: BAND=X, SR=79632.000000		
10166	M1O	04-001/21:40:00.0	25	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
10167	M1O	04-001/22:03:42.6		NOTE: South Pole Crossing 9091		04-001/21:54:24.1
10168	M1O	04-001/22:05:19.2		NOTE: Periapsis 9091 ----------		04-001/21:56:00.6
10169	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
10170	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
10171	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		
10172	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
10173	M1O	04-001/22:18:44.7		CALL, Engine = , Parameters = 56	get_cmd_opt	04-001/22:09:26.1
10174	M1O	04-001/22:18:45.0		CALL, Engine = , Parameters = 001, 03, 056	bld_autosw	04-001/22:09:26.4
10175	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
10176	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10177	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
10178	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
10179	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
10180	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
10181	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
10182	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
10183	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
10184	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
10185	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
10186	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
10187	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
10188	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
10189	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
10190	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
10191	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
10192	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
10193	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
10194	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
10195	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
10196	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
10197	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
10198	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
10199	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
10200	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
10201	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
10202	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
10203	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
10204	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
10205	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
10206	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
10207	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
10208	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
10209	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
10210	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
10211	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
10212	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10213	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
10214	M1O	04-001/22:19:27.0		CALL, Engine = , Parameters = 56	get_apid	04-001/22:10:08.4
10215	M1O	04-001/22:19:28.1		CALL, Engine = , Parameters = 56	get_rcv_mode	04-001/22:10:09.5
10216	M1O	04-001/22:19:28.3		CALL, Engine = , Parameters = 56	get_dl_rate	04-001/22:10:09.7
10217	M1O	04-001/22:19:29.4		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-001/22:10:10.8
10218	M1O	04-001/22:19:30.6		CALL, Engine = , Parameters = 56	get_coding	04-001/22:10:12.0
10219	M1O	04-001/22:19:31.8		CALL, Engine = , Parameters = 56	get_xmt_mode	04-001/22:10:13.2
10220	M1O	04-001/22:19:33.0		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-001/22:10:14.4
10221	M1O	04-001/22:20:03.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
10222	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
10223	M1O	04-001/22:20:38.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-001/22:11:20.2
10224	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
10225	M1O	04-001/22:20:40.8		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-001/22:11:22.2
10226	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
10227	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
10228	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
10229	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
10230	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
10231	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
10232	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
10233	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
10234	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
10235	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
10236	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
10237	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
10238	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
10239	M1O	04-001/22:30:03.0	54	Range Modulation Off		
10240	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
10241	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
10242	M1O	04-001/22:32:01.4		NOTE: Enter Solar Eclipse 9091		04-001/22:22:42.8
10243	M1O	04-001/22:32:59.9		NOTE: Ascending Node Crossing 9091		04-001/22:23:41.3
10244	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
10245	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
10246	M1O	04-001/22:35:03.0	54	X-Band Transmitter Off		
10247	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
10248	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10249	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
10250	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
10251	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
10252	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
10253	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
10254	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
10255	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
10256	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
10257	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
10258	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
10259	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
10260	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
10261	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
10262	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
10263	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
10264	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
10265	M1O	04-001/22:52:37.4		SPAWN, Engine = 65535, Parameters = 3, 00:33:15.679, 1	dpt	04-001/22:43:18.7
10266	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
10267	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
10268	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
10269	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
10270	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
10271	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
10272	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
10273	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		
10274	M1O	04-001/22:52:56.0		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-001/22:43:37.3
10275	M1O	04-001/22:53:22.5		NOTE: Exit Solar Eclipse 9091		04-001/22:44:03.8
10276	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		
10277	M1O	04-001/22:53:40.7		NOTE: ENTER HGA KEEP OUT ZONE		
10278	M1O	04-001/22:53:40.7	54	NOTE: Loss Of X-Band Signal		
10279	M1O	04-001/22:55:00.0	25	Begin Tracking		
10280	M1O	04-001/23:00:43.3		NOTE: Enter Planetary Atmosphere 9091		04-001/22:51:24.6
10281	M1O	04-001/23:02:16.7		NOTE: Enter Earth Occultation 9091		04-001/22:52:57.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10282	M1O	04-001/23:02:54.4		NOTE: North Pole Crossing 9091		04-001/22:53:35.7
10283	M1O	04-001/23:05:15.8		NOTE: Apoapsis 9091 -		04-001/22:55:57.0
10284	M1O	04-001/23:13:20.7		NOTE: EXIT HGA KEEP OUT ZONE		
10285	M1O	04-001/23:20:55.2		NOTE: Exit Earth Occultation 9091		04-001/23:11:36.4
10286	M1O	04-001/23:20:55.2	25	Acquisition Of X-Band Signal		
10287	M1O	04-001/23:20:55.2	25	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
10288	M1O	04-001/23:20:55.2	54	Acquisition Of X-Band Signal		
10289	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		
10290	M1O	04-001/23:22:29.5		NOTE: Exit Planetary Atmosphere 9091		04-001/23:13:10.7
10291	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
10292	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		
10293	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		
10294	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
10295	M1O	04-001/23:28:45.0	54	NOTE: Below Uplink Interlock Limit		
10296	M1O	04-001/23:30:00.0	54	End Tracking		
10297	M1O	04-001/23:32:53.0		NOTE: Descending Node Crossing 9092		04-001/23:23:34.2
10298	M1O	04-001/23:45:00.0	54	End Post-Cal		
10299	M1O	04-002/00:00:00.0		Light Time: OWLT = 09:18, RTLT = 18:37		
10300	M1O	04-002/00:02:13.6		NOTE: South Pole Crossing 9092		04-001/23:52:54.6
10301	M1O	04-002/00:03:43.5		NOTE: Periapsis 9092 ----------		04-001/23:54:24.6
10302	M1O	04-002/00:15:00.0	24	Begin Pre-Cal		
10303	M1O	04-002/00:15:00.0	24	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
10304	M1O	04-002/00:15:00.0	24	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
10305	M1O	04-002/00:15:00.0	24	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
10306	M1O	04-002/00:15:00.0	24	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
10307	M1O	04-002/00:15:00.0	24	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
10308	M1O	04-002/00:15:00.0	24	Config: RCV: Parms:		
10309	M1O	04-002/00:15:00.0	24	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
10310	M1O	04-002/00:15:00.0	24	Config: TGC: BAND=X, SR=79632.000000		
10311	M1O	04-002/00:15:00.0	24	Config: TXL		
10312	M1O	04-002/00:15:00.0	24	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
10313	M1O	04-002/00:15:00.0	24	Config: CMD		
10314	M1O	04-002/00:15:00.0	24	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
10315	M1O	04-002/00:30:31.7		NOTE: Enter Solar Eclipse 9092		04-002/00:21:12.6
10316	M1O	04-002/00:31:30.3		NOTE: Ascending Node Crossing 9092		04-002/00:22:11.3
10317	M1O	04-002/00:50:51.0		SPAWN, Engine = 65535, Parameters = 3, 00:33:31.651, 1	dpt	04-002/00:41:32.0
10318	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
10319	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		
10320	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
10321	M1O	04-002/00:51:50.9		NOTE: Exit Solar Eclipse 9092		04-002/00:42:31.8
10322	M1O	04-002/00:51:53.0		NOTE: ENTER HGA KEEP OUT ZONE		
10323	M1O	04-002/00:51:53.0	25	NOTE: Loss Of X-Band Signal		
10324	M1O	04-002/00:59:16.5		NOTE: Enter Planetary Atmosphere 9092		04-002/00:49:57.4
10325	M1O	04-002/01:00:50.1		NOTE: Enter Earth Occultation 9092		04-002/00:51:31.0
10326	M1O	04-002/01:01:25.6		NOTE: North Pole Crossing 9092		04-002/00:52:06.5
10327	M1O	04-002/01:03:33.4		NOTE: Apoapsis 9092 -		04-002/00:54:14.3
10328	M1O	04-002/01:11:53.1		NOTE: EXIT HGA KEEP OUT ZONE		
10329	M1O	04-002/01:19:24.8		NOTE: Exit Earth Occultation 9092		04-002/01:10:05.6
10330	M1O	04-002/01:19:24.8	25	Acquisition Of X-Band Signal		
10331	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10332	M1O	04-002/01:20:59.5		NOTE: Exit Planetary Atmosphere 9092		04-002/01:11:40.3
10333	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
10334	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		
10335	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
10336	M1O	04-002/01:31:24.8		NOTE: Descending Node Crossing 9093		04-002/01:22:05.5
10337	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
10338	M1O	04-002/01:44:25.3		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-002/01:35:06.1
10339	M1O	04-002/01:44:26.3		Forces a desaturation of the reaction wheels.	RW_DESAT	04-002/01:35:07.1
10340	M1O	04-002/01:45:00.0	24	Begin Tracking		
10341	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		
10342	M1O	04-002/01:47:48.2		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-002/01:38:29.0
10343	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
10344	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
10345	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
10346	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
10347	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
10348	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
10349	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
10350	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		
10351	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		
10352	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
10353	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		
10354	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		
10355	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
10356	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
10357	M1O	04-002/01:55:27.0	24	D/L RF Warning: SC antenna change - expect signal level variation		
10358	M1O	04-002/01:55:27.0	25	D/L RF Warning: SC antenna change - expect signal level variation		
10359	M1O	04-002/01:55:28.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-002/01:46:08.8
10360	M1O	04-002/01:55:56.3		CALL, Engine = , Parameters = FALSE	park_hga	04-002/01:46:37.1
10361	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
10362	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
10363	M1O	04-002/01:55:58.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-002/01:46:39.1
10364	M1O	04-002/01:55:58.3		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-002/01:46:39.1
10365	M1O	04-002/01:55:58.3		NOTE: START HGA PARK		
10366	M1O	04-002/01:55:58.3	24	NOTE: Loss Of X-Band Signal		
10367	M1O	04-002/01:55:58.3	25	NOTE: Loss Of X-Band Signal		
10368	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
10369	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
10370	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10371	M1O	04-002/02:00:45.2		NOTE: South Pole Crossing 9093		04-002/01:51:25.9
10372	M1O	04-002/02:01:53.7		NOTE: Periapsis 9093 ----------		04-002/01:52:34.4
10373	M1O	04-002/02:04:00.4		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-002/01:54:41.1
10374	M1O	04-002/02:04:00.4		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-002/01:54:41.1
10375	M1O	04-002/02:29:05.9		NOTE: Enter Solar Eclipse 9093		04-002/02:19:46.5
10376	M1O	04-002/02:30:02.6		NOTE: Ascending Node Crossing 9093		04-002/02:20:43.2
10377	M1O	04-002/02:34:00.4		GV: GV_DESAT_ACTIVE = 1		04-002/02:24:41.0
10378	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
10379	M1O	04-002/02:34:01.4		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-002/02:24:42.0
10380	M1O	04-002/02:44:00.4		GV: GV_DESAT_ACTIVE = 0		04-002/02:34:41.0
10381	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
10382	M1O	04-002/02:44:02.4		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-002/02:34:43.0
10383	M1O	04-002/02:44:03.4		CALL, Engine = , Parameters =	unpark_hga	04-002/02:34:44.0
10384	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
10385	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
10386	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
10387	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
10388	M1O	04-002/02:50:18.4		NOTE: Exit Solar Eclipse 9093		04-002/02:40:59.0
10389	M1O	04-002/02:50:24.4		NOTE: ENTER HGA KEEP OUT ZONE		
10390	M1O	04-002/02:52:35.4		NOTE: EXIT HGA PARK		
10391	M1O	04-002/02:57:55.3		NOTE: Enter Planetary Atmosphere 9093		04-002/02:48:35.8
10392	M1O	04-002/02:59:29.7		NOTE: Enter Earth Occultation 9093		04-002/02:50:10.2
10393	M1O	04-002/02:59:47.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10394	M1O	04-002/02:59:58.9		NOTE: North Pole Crossing 9093		04-002/02:50:39.4
10395	M1O	04-002/03:01:48.2		NOTE: Apoapsis 9093 -		04-002/02:52:28.7
10396	M1O	04-002/03:04:47.0	24	Range Modulation On: SUP=3.0dB		
10397	M1O	04-002/03:05:47.0	24	Begin Ranging Acquisition		
10398	M1O	04-002/03:10:24.5		NOTE: EXIT HGA KEEP OUT ZONE		
10399	M1O	04-002/03:17:29.1		SPAWN, Engine = 65535, Parameters = 00:05:31.215	cstr	04-002/03:08:09.6
10400	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
10401	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
10402	M1O	04-002/03:17:31.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-002/03:08:11.7
10403	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
10404	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
10405	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
10406	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
10407	M1O	04-002/03:17:54.1		NOTE: Exit Earth Occultation 9093		04-002/03:08:34.6
10408	M1O	04-002/03:17:54.1	24	Acquisition Of X-Band Signal		
10409	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		
10410	M1O	04-002/03:17:54.1	25	Acquisition Of X-Band Signal		
10411	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		
10412	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		
10413	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		
10414	M1O	04-002/03:19:29.6		NOTE: Exit Planetary Atmosphere 9093		04-002/03:10:10.1
10415	M1O	04-002/03:20:00.0	25	End Tracking		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10416	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
10417	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
10418	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		
10419	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
10420	M1O	04-002/03:29:58.8		NOTE: Descending Node Crossing 9094		04-002/03:20:39.2
10421	M1O	04-002/03:35:00.0	25	End Post-Cal		
10422	M1O	04-002/03:59:20.6		NOTE: South Pole Crossing 9094		04-002/03:50:00.9
10423	M1O	04-002/04:00:38.5		NOTE: Periapsis 9094 ----------		04-002/03:51:18.8
10424	M1O	04-002/04:15:39.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
10425	M1O	04-002/04:25:39.0	24	Range Modulation Off		
10426	M1O	04-002/04:27:42.9		NOTE: Enter Solar Eclipse 9094		04-002/04:18:23.2
10427	M1O	04-002/04:28:39.0		NOTE: Ascending Node Crossing 9094		04-002/04:19:19.3
10428	M1O	04-002/04:30:39.0	24	X-Band Transmitter Off		
10429	M1O	04-002/04:48:15.6		SPAWN, Engine = 65535, Parameters = 3, 00:33:41, 1	dpt	04-002/04:38:55.8
10430	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
10431	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		
10432	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
10433	M1O	04-002/04:48:52.3		NOTE: Exit Solar Eclipse 9094		04-002/04:39:32.5
10434	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		
10435	M1O	04-002/04:49:18.8		NOTE: ENTER HGA KEEP OUT ZONE		
10436	M1O	04-002/04:49:18.8	24	NOTE: Loss Of X-Band Signal		
10437	M1O	04-002/04:56:33.5		NOTE: Enter Planetary Atmosphere 9094		04-002/04:47:13.6
10438	M1O	04-002/04:58:08.4		NOTE: Enter Earth Occultation 9094		04-002/04:48:48.5
10439	M1O	04-002/04:58:20.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10440	M1O	04-002/04:58:35.0		NOTE: North Pole Crossing 9094		04-002/04:49:15.1
10441	M1O	04-002/05:00:45.0		NOTE: Apoapsis 9094 -		04-002/04:51:25.2
10442	M1O	04-002/05:03:20.0	24	Range Modulation On: SUP=3.0dB		
10443	M1O	04-002/05:04:20.0	24	Begin Ranging Acquisition		
10444	M1O	04-002/05:08:38.8		NOTE: EXIT HGA KEEP OUT ZONE		
10445	M1O	04-002/05:16:27.0		NOTE: Exit Earth Occultation 9094		04-002/05:07:07.1
10446	M1O	04-002/05:16:27.0	24	Acquisition Of X-Band Signal		
10447	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		
10448	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		
10449	M1O	04-002/05:18:02.9		NOTE: Exit Planetary Atmosphere 9094		04-002/05:08:43.0
10450	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
10451	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		
10452	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
10453	M1O	04-002/05:28:34.9		NOTE: Descending Node Crossing 9095		04-002/05:19:15.0
10454	M1O	04-002/05:57:57.7		NOTE: South Pole Crossing 9095		04-002/05:48:37.6
10455	M1O	04-002/05:59:43.1		NOTE: Periapsis 9095 ----------		04-002/05:50:23.1
10456	M1O	04-002/06:06:18.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
10457	M1O	04-002/06:16:18.0	24	Range Modulation Off		
10458	M1O	04-002/06:21:18.0	24	X-Band Transmitter Off		
10459	M1O	04-002/06:21:19.7	24	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
10460	M1O	04-002/06:26:18.7		NOTE: Enter Solar Eclipse 9095		04-002/06:16:58.5
10461	M1O	04-002/06:27:16.2		NOTE: Ascending Node Crossing 9095		04-002/06:17:56.0
10462	M1O	04-002/06:31:48.1		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-002/06:22:28.0
10463	M1O	04-002/06:32:03.9		Queues in the retransmit buffer, by time range, designated packet from the specified	PCKTS_RE_TX_TIME	04-002/06:22:43.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 38, 2003-365T06:22:28.100, 2004-002T06:22:28.100		
10464	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
10465	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
10466	M1O	04-002/06:32:06.9		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 4, 2003-365T06:22:28.100, 2004-002T06:22:28.100	PCKTS_RE_TX_TIME	04-002/06:22:46.8
10467	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
10468	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
10469	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
10470	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		
10471	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
10472	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		
10473	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
10474	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
10475	M1O	04-002/06:39:26.9	24	D/L RF Warning: SC antenna change - expect signal level variation		
10476	M1O	04-002/06:39:27.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-002/06:30:07.8
10477	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		
10478	M1O	04-002/06:40:00.0	24	End Tracking		
10479	M1O	04-002/06:47:29.1		NOTE: Exit Solar Eclipse 9095		04-002/06:38:08.9
10480	M1O	04-002/06:47:55.1		NOTE: ENTER HGA KEEP OUT ZONE		
10481	M1O	04-002/06:55:00.0	24	End Post-Cal		
10482	M1O	04-002/06:55:09.9		NOTE: Enter Planetary Atmosphere 9095		04-002/06:45:49.7
10483	M1O	04-002/06:56:44.9		NOTE: Enter Earth Occultation 9095		04-002/06:47:24.7
10484	M1O	04-002/06:57:11.7		NOTE: North Pole Crossing 9095		04-002/06:47:51.4
10485	M1O	04-002/06:59:54.6		NOTE: Apoapsis 9095 -		04-002/06:50:34.4
10486	M1O	04-002/07:07:15.2		NOTE: EXIT HGA KEEP OUT ZONE		
10487	M1O	04-002/07:09:20.2		SPAWN, Engine = 65535, Parameters =	scdiag	04-002/07:00:00.0
10488	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
10489	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
10490	M1O	04-002/07:10:23.2		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-002/07:01:03.0
10491	M1O	04-002/07:10:23.4		NOTE: Start Block fsw_diag		04-002/07:01:03.2
10492	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
10493	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
10494	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
10495	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
10496	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
10497	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
10498	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
10499	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
10500	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
10501	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10502	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
10503	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
10504	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
10505	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
10506	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
10507	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
10508	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
10509	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
10510	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
10511	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
10512	M1O	04-002/07:13:34.4		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-002/07:04:14.2
10513	M1O	04-002/07:13:45.4		NOTE: End Block fsw_diag.mod		04-002/07:04:25.2
10514	M1O	04-002/07:15:02.1		NOTE: Exit Earth Occultation 9095		04-002/07:05:41.8
10515	M1O	04-002/07:16:38.0		NOTE: Exit Planetary Atmosphere 9095		04-002/07:07:17.7
10516	M1O	04-002/07:27:11.8		NOTE: Descending Node Crossing 9096		04-002/07:17:51.5
10517	M1O	04-002/07:55:00.0	34	Begin Pre-Cal		
10518	M1O	04-002/07:55:00.0	34	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
10519	M1O	04-002/07:55:00.0	34	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
10520	M1O	04-002/07:55:00.0	34	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
10521	M1O	04-002/07:55:00.0	34	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
10522	M1O	04-002/07:55:00.0	34	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
10523	M1O	04-002/07:55:00.0	34	Config: RCV: Parms:		
10524	M1O	04-002/07:55:00.0	34	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
10525	M1O	04-002/07:55:00.0	34	Config: TGC: BAND=X, SR=79632.000000		
10526	M1O	04-002/07:55:00.0	34	Config: TXL		
10527	M1O	04-002/07:55:00.0	34	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
10528	M1O	04-002/07:55:00.0	34	Config: CMD		
10529	M1O	04-002/07:56:34.2		NOTE: South Pole Crossing 9096		04-002/07:47:13.8
10530	M1O	04-002/07:58:35.9		NOTE: Periapsis 9096 ----------		04-002/07:49:15.5
10531	M1O	04-002/08:24:52.2		NOTE: Enter Solar Eclipse 9096		04-002/08:15:31.7
10532	M1O	04-002/08:25:51.8		NOTE: Ascending Node Crossing 9096		04-002/08:16:31.3
10533	M1O	04-002/08:39:35.4		SPAWN, Engine = 65535, Parameters = 00:39:10.025	cstr	04-002/08:30:14.9
10534	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
10535	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
10536	M1O	04-002/08:39:37.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-002/08:30:17.0
10537	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
10538	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
10539	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
10540	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
10541	M1O	04-002/08:40:00.0	34	Begin Tracking		
10542	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		
10543	M1O	04-002/08:46:05.8		NOTE: Exit Solar Eclipse 9096		04-002/08:36:45.3
10544	M1O	04-002/08:46:31.5		NOTE: ENTER HGA KEEP OUT ZONE		
10545	M1O	04-002/08:46:31.5	34	NOTE: Loss Of X-Band Signal		
10546	M1O	04-002/08:53:43.4		NOTE: Enter Planetary Atmosphere 9096		04-002/08:44:22.8
10547	M1O	04-002/08:55:18.2		NOTE: Enter Earth Occultation 9096		04-002/08:45:57.6
10548	M1O	04-002/08:55:30.0	34	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10549	M1O	04-002/08:55:47.3		NOTE: North Pole Crossing 9096		04-002/08:46:26.7
10550	M1O	04-002/08:58:34.4		NOTE: Apoapsis 9096 -		04-002/08:49:13.8
10551	M1O	04-002/09:05:51.6		NOTE: EXIT HGA KEEP OUT ZONE		
10552	M1O	04-002/09:13:38.8		NOTE: Exit Earth Occultation 9096		04-002/09:04:18.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10553	M1O	04-002/09:13:38.8	34	Acquisition Of X-Band Signal		
10554	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		
10555	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		
10556	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
10557	M1O	04-002/09:14:45.7		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	04-002/09:05:25.1
10558	M1O	04-002/09:14:47.7		CALL, Engine = , Parameters = 56	get_cmd_opt	04-002/09:05:27.1
10559	M1O	04-002/09:14:48.0		CALL, Engine = , Parameters = 002, 01, 056	bld_autosw	04-002/09:05:27.4
10560	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
10561	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
10562	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
10563	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
10564	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
10565	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
10566	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
10567	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
10568	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
10569	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
10570	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
10571	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
10572	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
10573	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
10574	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
10575	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
10576	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
10577	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
10578	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
10579	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
10580	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
10581	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
10582	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
10583	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
10584	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
10585	M1O	04-002/09:15:14.6		NOTE: Exit Planetary Atmosphere 9096		04-002/09:05:53.9
10586	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
10587	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
10588	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
10589	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10590	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
10591	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
10592	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
10593	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
10594	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
10595	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
10596	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
10597	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
10598	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
10599	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
10600	M1O	04-002/09:15:30.0		CALL, Engine = , Parameters = 56	get_apid	04-002/09:06:09.4
10601	M1O	04-002/09:15:31.1		CALL, Engine = , Parameters = 56	get_rcv_mode	04-002/09:06:10.5
10602	M1O	04-002/09:15:31.3		CALL, Engine = , Parameters = 56	get_dl_rate	04-002/09:06:10.7
10603	M1O	04-002/09:15:32.4		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-002/09:06:11.8
10604	M1O	04-002/09:15:33.6		CALL, Engine = , Parameters = 56	get_coding	04-002/09:06:13.0
10605	M1O	04-002/09:15:34.8		CALL, Engine = , Parameters = 56	get_xmt_mode	04-002/09:06:14.2
10606	M1O	04-002/09:15:36.0		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-002/09:06:15.4
10607	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
10608	M1O	04-002/09:16:41.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-002/09:07:21.2
10609	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
10610	M1O	04-002/09:16:43.8		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-002/09:07:23.2
10611	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
10612	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
10613	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
10614	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
10615	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
10616	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
10617	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
10618	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		
10619	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
10620	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		
10621	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
10622	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
10623	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
10624	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
10625	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
10626	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10627	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
10628	M1O	04-002/09:25:47.5		NOTE: Descending Node Crossing 9097		04-002/09:16:26.8
10629	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
10630	M1O	04-002/09:25:48.8		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-002/09:16:28.2
10631	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
10632	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
10633	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
10634	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
10635	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
10636	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
10637	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
10638	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		
10639	M1O	04-002/09:28:22.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-002/09:19:01.6
10640	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
10641	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		
10642	M1O	04-002/09:46:18.0	34	NOTE: X-Band Transmitter Off in 15 minutes		
10643	M1O	04-002/09:55:08.6		NOTE: South Pole Crossing 9097		04-002/09:45:47.8
10644	M1O	04-002/09:57:02.3		NOTE: Periapsis 9097 ----------		04-002/09:47:41.6
10645	M1O	04-002/10:01:18.0	34	X-Band Transmitter Off		
10646	M1O	04-002/10:01:18.3	34	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
10647	M1O	04-002/10:11:48.8		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-002/10:02:28.0
10648	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
10649	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
10650	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
10651	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
10652	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
10653	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
10654	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
10655	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		
10656	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
10657	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		
10658	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
10659	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
10660	M1O	04-002/10:19:27.6	34	D/L RF Warning: SC antenna change - expect signal level variation		
10661	M1O	04-002/10:19:28.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-002/10:10:07.8
10662	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10663	M1O	04-002/10:20:00.0	34	End Tracking		
10664	M1O	04-002/10:23:23.8		NOTE: Enter Solar Eclipse 9097		04-002/10:14:02.9
10665	M1O	04-002/10:24:25.0		NOTE: Ascending Node Crossing 9097		04-002/10:15:04.1
10666	M1O	04-002/10:35:00.0	34	End Post-Cal		
10667	M1O	04-002/10:44:41.0		NOTE: Exit Solar Eclipse 9097		04-002/10:35:20.1
10668	M1O	04-002/10:45:07.9		NOTE: ENTER HGA KEEP OUT ZONE		
10669	M1O	04-002/10:52:12.7		NOTE: Enter Planetary Atmosphere 9097		04-002/10:42:51.8
10670	M1O	04-002/10:53:47.0		NOTE: Enter Earth Occultation 9097		04-002/10:44:26.1
10671	M1O	04-002/10:54:20.2		NOTE: North Pole Crossing 9097		04-002/10:44:59.3
10672	M1O	04-002/10:56:48.7		NOTE: Apoapsis 9097 -		04-002/10:47:27.8
10673	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
10674	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
10675	M1O	04-002/11:02:16.0		CALL, Engine = , Parameters = 56	get_cmd_opt	04-002/10:52:55.1
10676	M1O	04-002/11:02:16.3		CALL, Engine = , Parameters = 002, 02, 056	bld_autosw	04-002/10:52:55.4
10677	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
10678	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
10679	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
10680	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
10681	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
10682	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
10683	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
10684	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
10685	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
10686	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
10687	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
10688	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
10689	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
10690	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
10691	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
10692	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
10693	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
10694	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
10695	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
10696	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
10697	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
10698	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
10699	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
10700	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
10701	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10702	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
10703	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
10704	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
10705	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
10706	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
10707	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
10708	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
10709	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
10710	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
10711	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
10712	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
10713	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
10714	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
10715	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
10716	M1O	04-002/11:02:58.3		CALL, Engine = , Parameters = 56	get_apid	04-002/10:53:37.4
10717	M1O	04-002/11:02:59.4		CALL, Engine = , Parameters = 56	get_rcv_mode	04-002/10:53:38.5
10718	M1O	04-002/11:02:59.6		CALL, Engine = , Parameters = 56	get_dl_rate	04-002/10:53:38.7
10719	M1O	04-002/11:03:00.7		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-002/10:53:39.8
10720	M1O	04-002/11:03:01.9		CALL, Engine = , Parameters = 56	get_coding	04-002/10:53:41.0
10721	M1O	04-002/11:03:03.1		CALL, Engine = , Parameters = 56	get_xmt_mode	04-002/10:53:42.2
10722	M1O	04-002/11:03:04.3		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-002/10:53:43.4
10723	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
10724	M1O	04-002/11:04:10.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-002/10:54:49.2
10725	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
10726	M1O	04-002/11:04:12.1		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-002/10:54:51.2
10727	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
10728	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
10729	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
10730	M1O	04-002/11:04:27.9		NOTE: EXIT HGA KEEP OUT ZONE		
10731	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
10732	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
10733	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
10734	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
10735	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
10736	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
10737	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
10738	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10739	M1O	04-002/11:12:14.3		NOTE: Exit Earth Occultation 9097		04-002/11:02:53.3
10740	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
10741	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
10742	M1O	04-002/11:13:49.6		NOTE: Exit Planetary Atmosphere 9097		04-002/11:04:28.6
10743	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
10744	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
10745	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
10746	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
10747	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
10748	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
10749	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
10750	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
10751	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
10752	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
10753	M1O	04-002/11:24:19.9		NOTE: Descending Node Crossing 9098		04-002/11:14:58.8
10754	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
10755	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
10756	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
10757	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
10758	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
10759	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
10760	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
10761	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
10762	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
10763	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
10764	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
10765	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
10766	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
10767	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10768	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
10769	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
10770	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
10771	M1O	04-002/11:36:27.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-002/11:27:06.3
10772	M1O	04-002/11:53:40.2		NOTE: South Pole Crossing 9098		04-002/11:44:19.1
10773	M1O	04-002/11:55:13.0		NOTE: Periapsis 9098 ----------		04-002/11:45:51.8
10774	M1O	04-002/12:21:55.9		NOTE: Enter Solar Eclipse 9098		04-002/12:12:34.7
10775	M1O	04-002/12:22:56.5		NOTE: Ascending Node Crossing 9098		04-002/12:13:35.3
10776	M1O	04-002/12:43:12.6		NOTE: Exit Solar Eclipse 9098		04-002/12:33:51.3
10777	M1O	04-002/12:43:20.2		NOTE: ENTER HGA KEEP OUT ZONE		
10778	M1O	04-002/12:50:42.6		NOTE: Enter Planetary Atmosphere 9098		04-002/12:41:21.3
10779	M1O	04-002/12:52:16.9		NOTE: Enter Earth Occultation 9098		04-002/12:42:55.6
10780	M1O	04-002/12:52:51.3		NOTE: North Pole Crossing 9098		04-002/12:43:30.0
10781	M1O	04-002/12:55:12.3		NOTE: Apoapsis 9098 -		04-002/12:45:51.0
10782	M1O	04-002/13:03:00.3		NOTE: EXIT HGA KEEP OUT ZONE		
10783	M1O	04-002/13:10:44.9		NOTE: Exit Earth Occultation 9098		04-002/13:01:23.5
10784	M1O	04-002/13:12:20.2		NOTE: Exit Planetary Atmosphere 9098		04-002/13:02:58.8
10785	M1O	04-002/13:22:50.2		NOTE: Descending Node Crossing 9099		04-002/13:13:28.8
10786	M1O	04-002/13:52:11.2		NOTE: South Pole Crossing 9099		04-002/13:42:49.7
10787	M1O	04-002/13:53:37.1		NOTE: Periapsis 9099 ----------		04-002/13:44:15.6
10788	M1O	04-002/14:20:29.2		NOTE: Enter Solar Eclipse 9099		04-002/14:11:07.6
10789	M1O	04-002/14:21:28.7		NOTE: Ascending Node Crossing 9099		04-002/14:12:07.1
10790	M1O	04-002/14:41:40.1		NOTE: Exit Solar Eclipse 9099		04-002/14:32:18.5
10791	M1O	04-002/14:42:10.6		NOTE: ENTER HGA KEEP OUT ZONE		
10792	M1O	04-002/14:49:21.5		NOTE: Enter Planetary Atmosphere 9099		04-002/14:39:59.8
10793	M1O	04-002/14:50:56.8		NOTE: Enter Earth Occultation 9099		04-002/14:41:35.1
10794	M1O	04-002/14:51:24.3		NOTE: North Pole Crossing 9099		04-002/14:42:02.6
10795	M1O	04-002/14:53:52.4		NOTE: Apoapsis 9099 -		04-002/14:44:30.7
10796	M1O	04-002/15:01:30.7		NOTE: EXIT HGA KEEP OUT ZONE		
10797	M1O	04-002/15:09:12.6		NOTE: Exit Earth Occultation 9099		04-002/14:59:50.8
10798	M1O	04-002/15:10:48.8		NOTE: Exit Planetary Atmosphere 9099		04-002/15:01:27.1
10799	M1O	04-002/15:15:00.0	54	Begin Pre-Cal		
10800	M1O	04-002/15:15:00.0	54	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
10801	M1O	04-002/15:15:00.0	54	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
10802	M1O	04-002/15:15:00.0	54	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
10803	M1O	04-002/15:15:00.0	54	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
10804	M1O	04-002/15:15:00.0	54	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
10805	M1O	04-002/15:15:00.0	54	Config: RCV: Parms:		
10806	M1O	04-002/15:15:00.0	54	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
10807	M1O	04-002/15:15:00.0	54	Config: TGC: BAND=X, SR=79632.000000		
10808	M1O	04-002/15:15:00.0	54	Config: TXL		
10809	M1O	04-002/15:15:00.0	54	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
10810	M1O	04-002/15:15:00.0	54	Config: CMD		
10811	M1O	04-002/15:15:00.0	54	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
10812	M1O	04-002/15:21:24.1		NOTE: Descending Node Crossing 9100		04-002/15:12:02.4
10813	M1O	04-002/15:50:45.6		NOTE: South Pole Crossing 9100		04-002/15:41:23.7
10814	M1O	04-002/15:52:18.0		NOTE: Periapsis 9100 ----------		04-002/15:42:56.2
10815	M1O	04-002/16:19:03.7		NOTE: Enter Solar Eclipse 9100		04-002/16:09:41.7
10816	M1O	04-002/16:20:03.3		NOTE: Ascending Node Crossing 9100		04-002/16:10:41.4
10817	M1O	04-002/16:29:35.8		SPAWN, Engine = 65535, Parameters = 00:43:15.245	cstr	04-002/16:20:13.8
10818	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10819	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
10820	M1O	04-002/16:29:37.9		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-002/16:20:15.9
10821	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
10822	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
10823	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
10824	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
10825	M1O	04-002/16:30:00.0	54	Begin Tracking		
10826	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		
10827	M1O	04-002/16:40:10.2		NOTE: Exit Solar Eclipse 9100		04-002/16:30:48.2
10828	M1O	04-002/16:40:44.0		NOTE: ENTER HGA KEEP OUT ZONE		
10829	M1O	04-002/16:40:44.0	54	NOTE: Loss Of X-Band Signal		
10830	M1O	04-002/16:48:03.1		NOTE: Enter Planetary Atmosphere 9100		04-002/16:38:41.0
10831	M1O	04-002/16:49:33.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10832	M1O	04-002/16:49:39.2		NOTE: Enter Earth Occultation 9100		04-002/16:40:17.1
10833	M1O	04-002/16:50:00.2		NOTE: North Pole Crossing 9100		04-002/16:40:38.1
10834	M1O	04-002/16:52:23.3		NOTE: Apoapsis 9100 -		04-002/16:43:01.2
10835	M1O	04-002/16:54:33.0	54	Range Modulation On: SUP=3.0dB		
10836	M1O	04-002/16:55:33.0	54	Begin Ranging Acquisition		
10837	M1O	04-002/17:00:04.0		NOTE: EXIT HGA KEEP OUT ZONE		
10838	M1O	04-002/17:07:44.4		NOTE: Exit Earth Occultation 9100		04-002/16:58:22.3
10839	M1O	04-002/17:07:44.4	54	Acquisition Of X-Band Signal		
10840	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		
10841	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		
10842	M1O	04-002/17:09:21.5		NOTE: Exit Planetary Atmosphere 9100		04-002/16:59:59.4
10843	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
10844	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
10845	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		
10846	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
10847	M1O	04-002/17:20:01.3		NOTE: Descending Node Crossing 9101		04-002/17:10:39.2
10848	M1O	04-002/17:49:22.7		NOTE: South Pole Crossing 9101		04-002/17:40:00.4
10849	M1O	04-002/17:50:56.6		NOTE: Periapsis 9101 ----------		04-002/17:41:34.3
10850	M1O	04-002/18:05:35.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
10851	M1O	04-002/18:15:35.0	54	Range Modulation Off		
10852	M1O	04-002/18:17:39.6		NOTE: Enter Solar Eclipse 9101		04-002/18:08:17.3
10853	M1O	04-002/18:18:39.9		NOTE: Ascending Node Crossing 9101		04-002/18:09:17.6
10854	M1O	04-002/18:20:35.0	54	X-Band Transmitter Off		
10855	M1O	04-002/18:38:17.5		SPAWN, Engine = 65535, Parameters = 3, 00:33:33, 1	dpt	04-002/18:28:55.1
10856	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
10857	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		
10858	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
10859	M1O	04-002/18:38:45.1		NOTE: Exit Solar Eclipse 9101		04-002/18:29:22.8
10860	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		
10861	M1O	04-002/18:39:21.3		NOTE: ENTER HGA KEEP OUT ZONE		
10862	M1O	04-002/18:39:21.3	54	NOTE: Loss Of X-Band Signal		
10863	M1O	04-002/18:46:40.9		NOTE: Enter Planetary Atmosphere 9101		04-002/18:37:18.5
10864	M1O	04-002/18:48:08.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10865	M1O	04-002/18:48:17.1		NOTE: Enter Earth Occultation 9101		04-002/18:38:54.7
10866	M1O	04-002/18:48:37.0		NOTE: North Pole Crossing 9101		04-002/18:39:14.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10867	M1O	04-002/18:50:48.8		NOTE: Apoapsis 9101 -		04-002/18:41:26.3
10868	M1O	04-002/18:53:08.0	54	Range Modulation On: SUP=3.0dB		
10869	M1O	04-002/18:54:08.0	54	Begin Ranging Acquisition		
10870	M1O	04-002/18:58:41.4		NOTE: EXIT HGA KEEP OUT ZONE		
10871	M1O	04-002/19:06:20.8		NOTE: Exit Earth Occultation 9101		04-002/18:56:58.3
10872	M1O	04-002/19:06:20.8	54	Acquisition Of X-Band Signal		
10873	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		
10874	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		
10875	M1O	04-002/19:07:58.0		NOTE: Exit Planetary Atmosphere 9101		04-002/18:58:35.5
10876	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
10877	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		
10878	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
10879	M1O	04-002/19:18:38.3		NOTE: Descending Node Crossing 9102		04-002/19:09:15.8
10880	M1O	04-002/19:47:59.6		NOTE: South Pole Crossing 9102		04-002/19:38:37.0
10881	M1O	04-002/19:49:29.1		NOTE: Periapsis 9102 ----------		04-002/19:40:06.5
10882	M1O	04-002/20:04:12.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
10883	M1O	04-002/20:14:12.0	54	Range Modulation Off		
10884	M1O	04-002/20:16:16.5		NOTE: Enter Solar Eclipse 9102		04-002/20:06:53.8
10885	M1O	04-002/20:17:16.9		NOTE: Ascending Node Crossing 9102		04-002/20:07:54.2
10886	M1O	04-002/20:19:12.0	54	X-Band Transmitter Off		
10887	M1O	04-002/20:36:54.9		SPAWN, Engine = 65535, Parameters = 3, 00:33:34, 1	dpt	04-002/20:27:32.1
10888	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
10889	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		
10890	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
10891	M1O	04-002/20:37:23.4		NOTE: Exit Solar Eclipse 9102		04-002/20:28:00.7
10892	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		
10893	M1O	04-002/20:37:58.7		NOTE: ENTER HGA KEEP OUT ZONE		
10894	M1O	04-002/20:37:58.7	54	NOTE: Loss Of X-Band Signal		
10895	M1O	04-002/20:45:13.4		NOTE: Enter Planetary Atmosphere 9102		04-002/20:35:50.6
10896	M1O	04-002/20:46:46.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
10897	M1O	04-002/20:46:49.1		NOTE: Enter Earth Occultation 9102		04-002/20:37:26.3
10898	M1O	04-002/20:47:13.2		NOTE: North Pole Crossing 9102		04-002/20:37:50.4
10899	M1O	04-002/20:49:12.6		NOTE: Apoapsis 9102 -		04-002/20:39:49.9
10900	M1O	04-002/20:51:46.0	54	Range Modulation On: SUP=3.0dB		
10901	M1O	04-002/20:52:46.0	54	Begin Ranging Acquisition		
10902	M1O	04-002/20:57:18.8		NOTE: EXIT HGA KEEP OUT ZONE		
10903	M1O	04-002/21:04:59.2		NOTE: Exit Earth Occultation 9102		04-002/20:55:36.4
10904	M1O	04-002/21:04:59.2	54	Acquisition Of X-Band Signal		
10905	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		
10906	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		
10907	M1O	04-002/21:06:35.9		NOTE: Exit Planetary Atmosphere 9102		04-002/20:57:13.1
10908	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
10909	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		
10910	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
10911	M1O	04-002/21:17:13.4		NOTE: Descending Node Crossing 9103		04-002/21:07:50.5
10912	M1O	04-002/21:40:00.0	15	Begin Pre-Cal		
10913	M1O	04-002/21:40:00.0	15	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
10914	M1O	04-002/21:40:00.0	15	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
10915	M1O	04-002/21:40:00.0	15	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
10916	M1O	04-002/21:40:00.0	15	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
10917	M1O	04-002/21:40:00.0	15	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
10918	M1O	04-002/21:40:00.0	15	Config: RCV: Parms:		
10919	M1O	04-002/21:40:00.0	15	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
10920	M1O	04-002/21:40:00.0	15	Config: TGC: BAND=X, SR=79632.000000		
10921	M1O	04-002/21:40:00.0	15	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
10922	M1O	04-002/21:46:34.7		NOTE: South Pole Crossing 9103		04-002/21:37:11.7
10923	M1O	04-002/21:48:07.4		NOTE: Periapsis 9103 ----------		04-002/21:38:44.4
10924	M1O	04-002/22:02:46.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
10925	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
10926	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
10927	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		
10928	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
10929	M1O	04-002/22:09:44.1		CALL, Engine = , Parameters = 56	get_cmd_opt	04-002/22:00:21.1
10930	M1O	04-002/22:09:44.4		CALL, Engine = , Parameters = 002, 03, 056	bld_autosw	04-002/22:00:21.4
10931	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
10932	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
10933	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
10934	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
10935	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
10936	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
10937	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
10938	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
10939	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
10940	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
10941	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
10942	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
10943	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
10944	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
10945	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
10946	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
10947	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
10948	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
10949	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
10950	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
10951	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
10952	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
10953	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
10954	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
10955	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
10956	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
10957	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
10958	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
10959	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
10960	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
10961	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
10962	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
10963	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
10964	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
10965	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
10966	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
10967	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
10968	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
10969	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
10970	M1O	04-002/22:10:26.4		CALL, Engine = , Parameters = 56	get_apid	04-002/22:01:03.4
10971	M1O	04-002/22:10:27.5		CALL, Engine = , Parameters = 56	get_rcv_mode	04-002/22:01:04.5
10972	M1O	04-002/22:10:27.7		CALL, Engine = , Parameters = 56	get_dl_rate	04-002/22:01:04.7
10973	M1O	04-002/22:10:28.8		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-002/22:01:05.8
10974	M1O	04-002/22:10:30.0		CALL, Engine = , Parameters = 56	get_coding	04-002/22:01:07.0
10975	M1O	04-002/22:10:31.2		CALL, Engine = , Parameters = 56	get_xmt_mode	04-002/22:01:08.2
10976	M1O	04-002/22:10:32.4		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-002/22:01:09.4
10977	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
10978	M1O	04-002/22:11:38.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-002/22:02:15.2
10979	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
10980	M1O	04-002/22:11:40.2		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-002/22:02:17.2
10981	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
10982	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
10983	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
10984	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
10985	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
10986	M1O	04-002/22:12:46.0	54	Range Modulation Off		
10987	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
10988	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
10989	M1O	04-002/22:14:50.9		NOTE: Enter Solar Eclipse 9103		04-002/22:05:27.8
10990	M1O	04-002/22:15:51.8		NOTE: Ascending Node Crossing 9103		04-002/22:06:28.8
10991	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
10992	M1O	04-002/22:16:45.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	04-002/22:07:22.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				BYPASS_COD, PSK		
10993	M1O	04-002/22:17:46.0	54	X-Band Transmitter Off		
10994	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
10995	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
10996	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
10997	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
10998	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
10999	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
11000	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
11001	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
11002	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
11003	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
11004	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
11005	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
11006	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
11007	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
11008	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
11009	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
11010	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
11011	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		
11012	M1O	04-002/22:29:23.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-002/22:20:00.3
11013	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
11014	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		
11015	M1O	04-002/22:35:29.2		SPAWN, Engine = 65535, Parameters = 3, 00:33:36, 1	dpt	04-002/22:26:06.1
11016	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
11017	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		
11018	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
11019	M1O	04-002/22:36:01.3		NOTE: Exit Solar Eclipse 9103		04-002/22:26:38.2
11020	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		
11021	M1O	04-002/22:36:33.1		NOTE: ENTER HGA KEEP OUT ZONE		
11022	M1O	04-002/22:36:33.1	54	NOTE: Loss Of X-Band Signal		
11023	M1O	04-002/22:43:41.9		NOTE: Enter Planetary Atmosphere 9103		04-002/22:34:18.8
11024	M1O	04-002/22:45:17.0		NOTE: Enter Earth Occultation 9103		04-002/22:35:53.8
11025	M1O	04-002/22:45:22.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
11026	M1O	04-002/22:45:47.0		NOTE: North Pole Crossing 9103		04-002/22:36:23.8
11027	M1O	04-002/22:47:56.1		NOTE: Apoapsis 9103 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11028	M1O	04-002/22:50:22.0	54	Range Modulation On: SUP=3.0dB		
11029	M1O	04-002/22:51:22.0	54	Begin Ranging Acquisition		
11030	M1O	04-002/22:55:00.0	15	Begin Tracking		
11031	M1O	04-002/22:55:00.8		NOTE: Changing to 34M (HEF) downlink rate: 66360_BPS		04-002/22:45:37.7
11032	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
11033	M1O	04-002/22:55:53.1		NOTE: EXIT HGA KEEP OUT ZONE		
11034	M1O	04-002/23:00:00.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
11035	M1O	04-002/23:03:35.3		NOTE: Exit Earth Occultation 9103		04-002/22:54:12.1
11036	M1O	04-002/23:03:35.3	15	Acquisition Of X-Band Signal		
11037	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		
11038	M1O	04-002/23:03:35.3	54	Acquisition Of X-Band Signal		
11039	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		
11040	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		
11041	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		
11042	M1O	04-002/23:05:11.4		NOTE: Exit Planetary Atmosphere 9103		04-002/22:55:48.1
11043	M1O	04-002/23:06:13.5	54	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
11044	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
11045	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		
11046	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		
11047	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
11048	M1O	04-002/23:10:00.0	54	Range Modulation Off		
11049	M1O	04-002/23:15:00.0	54	X-Band Transmitter Off		
11050	M1O	04-002/23:15:46.0		NOTE: Descending Node Crossing 9104		04-002/23:06:22.8
11051	M1O	04-002/23:25:00.0	54	End Tracking		
11052	M1O	04-002/23:32:43.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-002/23:23:20.1
11053	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
11054	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		
11055	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
11056	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		
11057	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
11058	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		
11059	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
11060	M1O	04-002/23:40:00.0	54	End Post-Cal		
11061	M1O	04-002/23:45:06.8		NOTE: South Pole Crossing 9104		04-002/23:35:43.4
11062	M1O	04-002/23:46:39.9		NOTE: Periapsis 9104 ----------		04-002/23:37:16.6
11063	M1O	04-003/00:00:00.0		Light Time: OWLT = 09:23, RTLT = 18:46		
11064	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
11065	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
11066	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		
11067	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
11068	M1O	04-003/00:07:31.4		CALL, Engine = , Parameters = 56	get_cmd_opt	04-002/23:58:08.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11069	M1O	04-003/00:07:31.7		CALL, Engine = , Parameters = 003, 01, 056	bld_autosw	04-002/23:58:08.4
11070	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
11071	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
11072	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
11073	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
11074	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
11075	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
11076	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
11077	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
11078	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
11079	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
11080	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
11081	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
11082	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
11083	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
11084	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
11085	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
11086	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
11087	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
11088	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
11089	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
11090	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
11091	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
11092	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
11093	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
11094	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
11095	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
11096	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
11097	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
11098	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
11099	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
11100	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
11101	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
11102	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
11103	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
11104	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

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11105	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
11106	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
11107	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
11108	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
11109	M1O	04-003/00:08:13.7		CALL, Engine = , Parameters = 56	get_apid	04-002/23:58:50.4
11110	M1O	04-003/00:08:14.8		CALL, Engine = , Parameters = 56	get_rcv_mode	04-002/23:58:51.5
11111	M1O	04-003/00:08:15.0		CALL, Engine = , Parameters = 56	get_dl_rate	04-002/23:58:51.7
11112	M1O	04-003/00:08:16.1		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-002/23:58:52.8
11113	M1O	04-003/00:08:17.3		CALL, Engine = , Parameters = 56	get_coding	04-002/23:58:54.0
11114	M1O	04-003/00:08:18.5		CALL, Engine = , Parameters = 56	get_xmt_mode	04-002/23:58:55.2
11115	M1O	04-003/00:08:19.7		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-002/23:58:56.4
11116	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
11117	M1O	04-003/00:09:25.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-003/00:00:02.2
11118	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
11119	M1O	04-003/00:09:27.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-003/00:00:04.2
11120	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
11121	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
11122	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
11123	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
11124	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
11125	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
11126	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
11127	M1O	04-003/00:13:21.9		NOTE: Enter Solar Eclipse 9104		04-003/00:03:58.5
11128	M1O	04-003/00:14:23.5		NOTE: Ascending Node Crossing 9104		04-003/00:05:00.0
11129	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
11130	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
11131	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
11132	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
11133	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
11134	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
11135	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
11136	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
11137	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
11138	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
11139	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11140	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
11141	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
11142	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
11143	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
11144	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
11145	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
11146	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		
11147	M1O	04-003/00:26:20.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-003/00:16:56.9
11148	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
11149	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		
11150	M1O	04-003/00:34:04.4		SPAWN, Engine = 65535, Parameters = 3, 00:33:00.626, 1	dpt	04-003/00:24:41.0
11151	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
11152	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		
11153	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
11154	M1O	04-003/00:34:33.6		NOTE: Exit Solar Eclipse 9104		04-003/00:25:10.2
11155	M1O	04-003/00:35:06.4		NOTE: ENTER HGA KEEP OUT ZONE		
11156	M1O	04-003/00:35:06.4	15	NOTE: Loss Of X-Band Signal		
11157	M1O	04-003/00:42:12.0		NOTE: Enter Planetary Atmosphere 9104		04-003/00:32:48.5
11158	M1O	04-003/00:43:46.9		NOTE: Enter Earth Occultation 9104		04-003/00:34:23.4
11159	M1O	04-003/00:44:18.5		NOTE: North Pole Crossing 9104		04-003/00:34:55.0
11160	M1O	04-003/00:46:32.0		NOTE: Apoapsis 9104 -		04-003/00:37:08.5
11161	M1O	04-003/00:54:26.5		NOTE: EXIT HGA KEEP OUT ZONE		
11162	M1O	04-003/01:02:07.1		NOTE: Exit Earth Occultation 9104		04-003/00:52:43.6
11163	M1O	04-003/01:02:07.1	15	Acquisition Of X-Band Signal		
11164	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		
11165	M1O	04-003/01:03:43.1		NOTE: Exit Planetary Atmosphere 9104		04-003/00:54:19.5
11166	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
11167	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		
11168	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
11169	M1O	04-003/01:14:17.6		NOTE: Descending Node Crossing 9105		04-003/01:04:54.0
11170	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
11171	M1O	04-003/01:27:18.7		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-003/01:17:55.1
11172	M1O	04-003/01:27:19.7		Forces a desaturation of the reaction wheels.	RW_DESAT	04-003/01:17:56.1
11173	M1O	04-003/01:30:41.6		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-003/01:21:18.0
11174	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
11175	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
11176	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
11177	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
11178	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
11179	M1O	04-003/01:31:02.4		Queues in the retransmit buffer, by time range, designated packet from the specified	PCKTS_RE_TX_TIME	04-003/01:21:38.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 13, 2004-001T01:21:18.100, 2004-003T01:21:18.100		
11180	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
11181	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		
11182	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
11183	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		
11184	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
11185	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
11186	M1O	04-003/01:38:20.4	15	D/L RF Warning: SC antenna change - expect signal level variation		
11187	M1O	04-003/01:38:21.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-003/01:28:57.8
11188	M1O	04-003/01:38:49.7		CALL, Engine = , Parameters = FALSE	park_hga	04-003/01:29:26.1
11189	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
11190	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
11191	M1O	04-003/01:38:51.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-003/01:29:28.1
11192	M1O	04-003/01:38:51.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-003/01:29:28.1
11193	M1O	04-003/01:38:51.7		NOTE: START HGA PARK		
11194	M1O	04-003/01:38:51.7	15	NOTE: Loss Of X-Band Signal		
11195	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
11196	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
11197	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
11198	M1O	04-003/01:43:37.5		NOTE: South Pole Crossing 9105		04-003/01:34:13.8
11199	M1O	04-003/01:44:53.9		NOTE: Periapsis 9105 ----------		04-003/01:35:30.2
11200	M1O	04-003/01:46:53.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-003/01:37:30.1
11201	M1O	04-003/01:46:53.8		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-003/01:37:30.1
11202	M1O	04-003/02:11:53.5		NOTE: Enter Solar Eclipse 9105		04-003/02:02:29.8
11203	M1O	04-003/02:12:54.0		NOTE: Ascending Node Crossing 9105		04-003/02:03:30.3
11204	M1O	04-003/02:16:53.7		GV: GV_DESAT_ACTIVE = 1		04-003/02:07:30.0
11205	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
11206	M1O	04-003/02:16:54.7		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-003/02:07:31.0
11207	M1O	04-003/02:26:53.8		GV: GV_DESAT_ACTIVE = 0		04-003/02:17:30.0
11208	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
11209	M1O	04-003/02:26:55.8		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-003/02:17:32.0
11210	M1O	04-003/02:26:56.8		CALL, Engine = , Parameters =	unpark_hga	04-003/02:17:33.0
11211	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
11212	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
11213	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
11214	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
11215	M1O	04-003/02:32:59.6		NOTE: Exit Solar Eclipse 9105		04-003/02:23:35.8
11216	M1O	04-003/02:33:37.8		NOTE: ENTER HGA KEEP OUT ZONE		
11217	M1O	04-003/02:35:28.8		NOTE: EXIT HGA PARK		
11218	M1O	04-003/02:40:49.4		NOTE: Enter Planetary Atmosphere 9105		04-003/02:31:25.5
11219	M1O	04-003/02:42:25.1		NOTE: Enter Earth Occultation 9105		04-003/02:33:01.2
11220	M1O	04-003/02:42:50.4		NOTE: North Pole Crossing 9105		04-003/02:33:26.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11221	M1O	04-003/02:44:42.7		NOTE: Apoapsis 9105 -		04-003/02:35:18.8
11222	M1O	04-003/02:52:57.9		NOTE: EXIT HGA KEEP OUT ZONE		
11223	M1O	04-003/03:00:10.2		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-003/02:50:46.3
11224	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
11225	M1O	04-003/03:00:11.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-003/02:50:47.4
11226	M1O	04-003/03:00:12.3		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-003/02:50:48.4
11227	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
11228	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
11229	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
11230	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
11231	M1O	04-003/03:00:35.2		NOTE: Exit Earth Occultation 9105		04-003/02:51:11.3
11232	M1O	04-003/03:00:35.2	15	Acquisition Of X-Band Signal		
11233	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		
11234	M1O	04-003/03:02:12.0		NOTE: Exit Planetary Atmosphere 9105		04-003/02:52:48.1
11235	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
11236	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
11237	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		
11238	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
11239	M1O	04-003/03:12:50.5		NOTE: Descending Node Crossing 9106		04-003/03:03:26.5
11240	M1O	04-003/03:42:11.3		NOTE: South Pole Crossing 9106		04-003/03:32:47.2
11241	M1O	04-003/03:43:18.7		NOTE: Periapsis 9106 ----------		04-003/03:33:54.7
11242	M1O	04-003/04:10:30.4		NOTE: Enter Solar Eclipse 9106		04-003/04:01:06.3
11243	M1O	04-003/04:11:29.0		NOTE: Ascending Node Crossing 9106		04-003/04:02:04.9
11244	M1O	04-003/04:31:08.2		SPAWN, Engine = 65535, Parameters = 3, 00:32:56.260, 1	dpt	04-003/04:21:44.0
11245	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
11246	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		
11247	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
11248	M1O	04-003/04:31:30.4		NOTE: Exit Solar Eclipse 9106		04-003/04:22:06.2
11249	M1O	04-003/04:32:10.2		NOTE: ENTER HGA KEEP OUT ZONE		
11250	M1O	04-003/04:32:10.2	15	NOTE: Loss Of X-Band Signal		
11251	M1O	04-003/04:39:29.0		NOTE: Enter Planetary Atmosphere 9106		04-003/04:30:04.8
11252	M1O	04-003/04:41:05.4		NOTE: Enter Earth Occultation 9106		04-003/04:31:41.2
11253	M1O	04-003/04:41:25.7		NOTE: North Pole Crossing 9106		04-003/04:32:01.5
11254	M1O	04-003/04:43:18.2		NOTE: Apoapsis 9106 -		04-003/04:33:54.0
11255	M1O	04-003/04:51:30.2		NOTE: EXIT HGA KEEP OUT ZONE		
11256	M1O	04-003/04:59:06.5		NOTE: Exit Earth Occultation 9106		04-003/04:49:42.2
11257	M1O	04-003/04:59:06.5	15	Acquisition Of X-Band Signal		
11258	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		
11259	M1O	04-003/05:00:44.0		NOTE: Exit Planetary Atmosphere 9106		04-003/04:51:19.7
11260	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
11261	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		
11262	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
11263	M1O	04-003/05:11:26.0		NOTE: Descending Node Crossing 9107		04-003/05:02:01.7
11264	M1O	04-003/05:20:00.0	34	Begin Pre-Cal		
11265	M1O	04-003/05:20:00.0	34	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11266	M1O	04-003/05:20:00.0	34	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
11267	M1O	04-003/05:20:00.0	34	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
11268	M1O	04-003/05:20:00.0	34	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
11269	M1O	04-003/05:20:00.0	34	At BOT: S/C Tlm Mode: BR=66360.0, FL=10112, SC=375KHZ, MI=71.7		
11270	M1O	04-003/05:20:00.0	34	Config: RCV: Parms:		
11271	M1O	04-003/05:20:00.0	34	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
11272	M1O	04-003/05:20:00.0	34	Config: TGC: BAND=X, SR=132720.000000		
11273	M1O	04-003/05:20:00.0	34	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
11274	M1O	04-003/05:40:48.1		NOTE: South Pole Crossing 9107		04-003/05:31:23.7
11275	M1O	04-003/05:42:18.0		NOTE: Periapsis 9107 ----------		04-003/05:32:53.5
11276	M1O	04-003/06:09:07.2		NOTE: Enter Solar Eclipse 9107		04-003/05:59:42.7
11277	M1O	04-003/06:10:06.4		NOTE: Ascending Node Crossing 9107		04-003/06:00:41.9
11278	M1O	04-003/06:29:43.5		SPAWN, Engine = 65535, Parameters = 3, 00:32:55.323, 1	dpt	04-003/06:20:19.0
11279	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
11280	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		
11281	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
11282	M1O	04-003/06:30:06.6		NOTE: Exit Solar Eclipse 9107		04-003/06:20:42.0
11283	M1O	04-003/06:30:45.5		NOTE: ENTER HGA KEEP OUT ZONE		
11284	M1O	04-003/06:30:45.5	15	NOTE: Loss Of X-Band Signal		
11285	M1O	04-003/06:38:06.4		NOTE: Enter Planetary Atmosphere 9107		04-003/06:28:41.8
11286	M1O	04-003/06:39:43.1		NOTE: Enter Earth Occultation 9107		04-003/06:30:18.5
11287	M1O	04-003/06:40:02.5		NOTE: North Pole Crossing 9107		04-003/06:30:37.9
11288	M1O	04-003/06:42:26.6		NOTE: Apoapsis 9107 -		04-003/06:33:02.0
11289	M1O	04-003/06:50:00.0	34	Begin Tracking		
11290	M1O	04-003/06:50:05.6		NOTE: EXIT HGA KEEP OUT ZONE		
11291	M1O	04-003/06:57:40.9		NOTE: Exit Earth Occultation 9107		04-003/06:48:16.3
11292	M1O	04-003/06:57:40.9	15	Acquisition Of X-Band Signal		
11293	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		
11294	M1O	04-003/06:57:40.9	34	Acquisition Of X-Band Signal		
11295	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		
11296	M1O	04-003/06:58:39.0	15	NOTE: Below Uplink Interlock Limit		
11297	M1O	04-003/06:59:18.6		NOTE: Exit Planetary Atmosphere 9107		04-003/06:49:53.9
11298	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
11299	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		
11300	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		
11301	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
11302	M1O	04-003/07:08:58.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-003/06:59:33.4
11303	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
11304	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		
11305	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		
11306	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
11307	M1O	04-003/07:09:24.6		SPAWN, Engine = 65535, Parameters =	scdiag	04-003/07:00:00.0
11308	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
11309	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
11310	M1O	04-003/07:10:00.0	15	End Tracking		
11311	M1O	04-003/07:10:00.1		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-003/07:00:35.4
11312	M1O	04-003/07:10:00.1		Sets the specified telemetry downlink rate which is controlled by the rate at which data	DOWNLINK_RATE	04-003/07:00:35.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				is clocked out of the C&DH.: 39816_BPS		
11313	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		
11314	M1O	04-003/07:10:02.9		NOTE: Descending Node Crossing 9108		04-003/07:00:38.2
11315	M1O	04-003/07:10:27.7		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-003/07:01:03.0
11316	M1O	04-003/07:10:27.9		NOTE: Start Block fsw_diag		04-003/07:01:03.2
11317	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
11318	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
11319	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
11320	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
11321	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
11322	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
11323	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
11324	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
11325	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
11326	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
11327	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
11328	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
11329	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
11330	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
11331	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
11332	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
11333	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
11334	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
11335	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
11336	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
11337	M1O	04-003/07:13:38.9		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-003/07:04:14.2
11338	M1O	04-003/07:13:49.9		NOTE: End Block fsw_diag.mod		04-003/07:04:25.2
11339	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
11340	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		
11341	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
11342	M1O	04-003/07:25:00.0	15	End Post-Cal		
11343	M1O	04-003/07:39:25.3		NOTE: South Pole Crossing 9108		04-003/07:30:00.6
11344	M1O	04-003/07:41:19.4		NOTE: Periapsis 9108 ----------		04-003/07:31:54.6
11345	M1O	04-003/08:07:42.0		NOTE: Enter Solar Eclipse 9108		04-003/07:58:17.1
11346	M1O	04-003/08:08:43.2		NOTE: Ascending Node Crossing 9108		04-003/07:59:18.3
11347	M1O	04-003/08:28:20.9		SPAWN, Engine = 65535, Parameters = 3, 00:32:54.242, 1	dpt	04-003/08:18:56.0
11348	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
11349	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		
11350	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
11351	M1O	04-003/08:28:44.0		NOTE: Exit Solar Eclipse 9108		04-003/08:19:19.0
11352	M1O	04-003/08:29:22.9		NOTE: ENTER HGA KEEP OUT ZONE		
11353	M1O	04-003/08:29:22.9	34	NOTE: Loss Of X-Band Signal		
11354	M1O	04-003/08:36:41.7		NOTE: Enter Planetary Atmosphere 9108		04-003/08:27:16.7
11355	M1O	04-003/08:38:18.4		NOTE: Enter Earth Occultation 9108		04-003/08:28:53.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11356	M1O	04-003/08:38:39.1		NOTE: North Pole Crossing 9108		04-003/08:29:14.1
11357	M1O	04-003/08:41:23.2		NOTE: Apoapsis 9108 -		04-003/08:31:58.2
11358	M1O	04-003/08:48:43.0		NOTE: EXIT HGA KEEP OUT ZONE		
11359	M1O	04-003/08:56:17.2		NOTE: Exit Earth Occultation 9108		04-003/08:46:52.2
11360	M1O	04-003/08:56:17.2	34	Acquisition Of X-Band Signal		
11361	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		
11362	M1O	04-003/08:57:54.8		NOTE: Exit Planetary Atmosphere 9108		04-003/08:48:29.8
11363	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
11364	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		
11365	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
11366	M1O	04-003/09:08:39.8		NOTE: Descending Node Crossing 9109		04-003/08:59:14.7
11367	M1O	04-003/09:38:01.3		NOTE: South Pole Crossing 9109		04-003/09:28:36.1
11368	M1O	04-003/09:40:01.3		NOTE: Periapsis 9109 ----------		04-003/09:30:36.1
11369	M1O	04-003/10:06:14.4		NOTE: Enter Solar Eclipse 9109		04-003/09:56:49.2
11370	M1O	04-003/10:07:17.9		NOTE: Ascending Node Crossing 9109		04-003/09:57:52.7
11371	M1O	04-003/10:11:50.2		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-003/10:02:25.0
11372	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
11373	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
11374	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
11375	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
11376	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
11377	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
11378	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
11379	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		
11380	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
11381	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		
11382	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
11383	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
11384	M1O	04-003/10:19:29.0	34	D/L RF Warning: SC antenna change - expect signal level variation		
11385	M1O	04-003/10:19:30.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-003/10:10:04.8
11386	M1O	04-003/10:20:00.0	34	End Tracking		
11387	M1O	04-003/10:27:20.6		NOTE: Exit Solar Eclipse 9109		04-003/10:17:55.3
11388	M1O	04-003/10:27:59.3		NOTE: ENTER HGA KEEP OUT ZONE		
11389	M1O	04-003/10:35:00.0	34	End Post-Cal		
11390	M1O	04-003/10:35:12.8		NOTE: Enter Planetary Atmosphere 9109		04-003/10:25:47.5
11391	M1O	04-003/10:36:49.0		NOTE: Enter Earth Occultation 9109		04-003/10:27:23.7
11392	M1O	04-003/10:37:13.6		NOTE: North Pole Crossing 9109		04-003/10:27:48.3
11393	M1O	04-003/10:39:51.2		NOTE: Apoapsis 9109 -		04-003/10:30:25.8
11394	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
11395	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
11396	M1O	04-003/10:45:42.4		CALL, Engine = , Parameters = 56	get_cmd_opt	04-003/10:36:17.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11397	M1O	04-003/10:45:42.7		CALL, Engine = , Parameters = 003, 02, 056	bld_autosw	04-003/10:36:17.4
11398	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
11399	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
11400	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
11401	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
11402	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
11403	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
11404	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
11405	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
11406	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
11407	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
11408	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
11409	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
11410	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
11411	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
11412	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
11413	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
11414	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
11415	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
11416	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
11417	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
11418	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
11419	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
11420	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
11421	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
11422	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
11423	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
11424	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
11425	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
11426	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
11427	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
11428	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
11429	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
11430	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
11431	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
11432	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

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11433	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
11434	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
11435	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
11436	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
11437	M1O	04-003/10:46:24.7		CALL, Engine = , Parameters = 56	get_apid	04-003/10:36:59.4
11438	M1O	04-003/10:46:25.8		CALL, Engine = , Parameters = 56	get_rcv_mode	04-003/10:37:00.5
11439	M1O	04-003/10:46:26.0		CALL, Engine = , Parameters = 56	get_dl_rate	04-003/10:37:00.7
11440	M1O	04-003/10:46:27.1		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-003/10:37:01.8
11441	M1O	04-003/10:46:28.3		CALL, Engine = , Parameters = 56	get_coding	04-003/10:37:03.0
11442	M1O	04-003/10:46:29.5		CALL, Engine = , Parameters = 56	get_xmt_mode	04-003/10:37:04.2
11443	M1O	04-003/10:46:30.7		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-003/10:37:05.4
11444	M1O	04-003/10:47:19.3		NOTE: EXIT HGA KEEP OUT ZONE		
11445	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
11446	M1O	04-003/10:47:36.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-003/10:38:11.2
11447	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
11448	M1O	04-003/10:47:38.5		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-003/10:38:13.2
11449	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
11450	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
11451	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
11452	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
11453	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
11454	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
11455	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
11456	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
11457	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
11458	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
11459	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
11460	M1O	04-003/10:54:53.9		NOTE: Exit Earth Occultation 9109		04-003/10:45:28.5
11461	M1O	04-003/10:56:31.2		NOTE: Exit Planetary Atmosphere 9109		04-003/10:47:05.8
11462	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
11463	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
11464	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
11465	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
11466	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
11467	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
11468	M1O	04-003/11:02:42.6		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK,	UHF_XMIT_MODE	04-003/10:53:17.2

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				CONV_VIT, DISABLE		
11469	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
11470	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
11471	M1O	04-003/11:04:43.6		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-003/10:55:18.2
11472	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
11473	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
11474	M1O	04-003/11:07:14.0		NOTE: Descending Node Crossing 9110		04-003/10:57:48.5
11475	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
11476	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
11477	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
11478	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
11479	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
11480	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
11481	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
11482	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
11483	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
11484	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
11485	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
11486	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
11487	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
11488	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
11489	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
11490	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
11491	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
11492	M1O	04-003/11:19:53.7		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-003/11:10:28.3
11493	M1O	04-003/11:36:34.3		NOTE: South Pole Crossing 9110		04-003/11:27:08.8
11494	M1O	04-003/11:38:16.6		NOTE: Periapsis 9110 ----------		04-003/11:28:51.1
11495	M1O	04-003/12:04:46.3		NOTE: Enter Solar Eclipse 9110		04-003/11:55:20.7
11496	M1O	04-003/12:05:50.2		NOTE: Ascending Node Crossing 9110		04-003/11:56:24.6
11497	M1O	04-003/12:25:54.7		NOTE: Exit Solar Eclipse 9110		04-003/12:16:29.0
11498	M1O	04-003/12:26:33.6		NOTE: ENTER HGA KEEP OUT ZONE		
11499	M1O	04-003/12:33:41.1		NOTE: Enter Planetary Atmosphere 9110		04-003/12:24:15.4
11500	M1O	04-003/12:35:16.9		NOTE: Enter Earth Occultation 9110		04-003/12:25:51.2
11501	M1O	04-003/12:35:45.5		NOTE: North Pole Crossing 9110		04-003/12:26:19.8

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11502	M1O	04-003/12:38:04.8		NOTE: Apoapsis 9110 -		04-003/12:28:39.1
11503	M1O	04-003/12:45:53.7		NOTE: EXIT HGA KEEP OUT ZONE		
11504	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
11505	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
11506	M1O	04-003/12:51:23.8		CALL, Engine = , Parameters = 56	get_cmd_opt	04-003/12:41:58.1
11507	M1O	04-003/12:51:24.1		CALL, Engine = , Parameters = 003, 03, 056	bld_autosw	04-003/12:41:58.4
11508	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
11509	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
11510	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
11511	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
11512	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
11513	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
11514	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
11515	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
11516	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
11517	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
11518	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
11519	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
11520	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
11521	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
11522	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
11523	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
11524	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
11525	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
11526	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
11527	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
11528	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
11529	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
11530	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
11531	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
11532	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
11533	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
11534	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
11535	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
11536	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
11537	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

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11538	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
11539	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
11540	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
11541	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
11542	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
11543	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
11544	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
11545	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
11546	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
11547	M1O	04-003/12:52:06.1		CALL, Engine = , Parameters = 56	get_apid	04-003/12:42:40.4
11548	M1O	04-003/12:52:07.2		CALL, Engine = , Parameters = 56	get_rcv_mode	04-003/12:42:41.5
11549	M1O	04-003/12:52:07.4		CALL, Engine = , Parameters = 56	get_dl_rate	04-003/12:42:41.7
11550	M1O	04-003/12:52:08.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-003/12:42:42.8
11551	M1O	04-003/12:52:09.7		CALL, Engine = , Parameters = 56	get_coding	04-003/12:42:44.0
11552	M1O	04-003/12:52:10.9		CALL, Engine = , Parameters = 56	get_xmt_mode	04-003/12:42:45.2
11553	M1O	04-003/12:52:12.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-003/12:42:46.4
11554	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
11555	M1O	04-003/12:53:17.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-003/12:43:52.2
11556	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
11557	M1O	04-003/12:53:19.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-003/12:43:54.2
11558	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
11559	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
11560	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
11561	M1O	04-003/12:53:27.7		NOTE: Exit Earth Occultation 9110		04-003/12:44:02.0
11562	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
11563	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
11564	M1O	04-003/12:55:04.5		NOTE: Exit Planetary Atmosphere 9110		04-003/12:45:38.7
11565	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
11566	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
11567	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
11568	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
11569	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
11570	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
11571	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
11572	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
11573	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
11574	M1O	04-003/13:04:24.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	04-003/12:54:59.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				BYPASS_COD, PSK		
11575	M1O	04-003/13:05:44.9		NOTE: Descending Node Crossing 9111		04-003/12:56:19.1
11576	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
11577	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
11578	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
11579	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
11580	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
11581	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
11582	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
11583	M1O	04-003/13:08:03.8		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-003/12:58:38.0
11584	M1O	04-003/13:35:05.3		NOTE: South Pole Crossing 9111		04-003/13:25:39.4
11585	M1O	04-003/13:36:32.4		NOTE: Periapsis 9111 ----------		04-003/13:27:06.5
11586	M1O	04-003/14:03:19.0		NOTE: Enter Solar Eclipse 9111		04-003/13:53:53.0
11587	M1O	04-003/14:04:21.9		NOTE: Ascending Node Crossing 9111		04-003/13:54:55.9
11588	M1O	04-003/14:24:24.2		NOTE: Exit Solar Eclipse 9111		04-003/14:14:58.2
11589	M1O	04-003/14:25:05.0		NOTE: ENTER HGA KEEP OUT ZONE		
11590	M1O	04-003/14:32:14.7		NOTE: Enter Planetary Atmosphere 9111		04-003/14:22:48.7
11591	M1O	04-003/14:33:51.0		NOTE: Enter Earth Occultation 9111		04-003/14:24:24.9
11592	M1O	04-003/14:34:17.1		NOTE: North Pole Crossing 9111		04-003/14:24:51.0
11593	M1O	04-003/14:36:43.4		NOTE: Apoapsis 9111 -		04-003/14:27:17.3
11594	M1O	04-003/14:44:25.1		NOTE: EXIT HGA KEEP OUT ZONE		
11595	M1O	04-003/14:51:56.3		NOTE: Exit Earth Occultation 9111		04-003/14:42:30.2
11596	M1O	04-003/14:53:33.6		NOTE: Exit Planetary Atmosphere 9111		04-003/14:44:07.4
11597	M1O	04-003/15:04:16.4		NOTE: Descending Node Crossing 9112		04-003/14:54:50.2
11598	M1O	04-003/15:15:00.0	54	Begin Pre-Cal		
11599	M1O	04-003/15:15:00.0	54	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
11600	M1O	04-003/15:15:00.0	54	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
11601	M1O	04-003/15:15:00.0	54	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
11602	M1O	04-003/15:15:00.0	54	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
11603	M1O	04-003/15:15:00.0	54	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
11604	M1O	04-003/15:15:00.0	54	Config: RCV: Parms:		
11605	M1O	04-003/15:15:00.0	54	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
11606	M1O	04-003/15:15:00.0	54	Config: TGC: BAND=X, SR=79632.000000		
11607	M1O	04-003/15:15:00.0	54	Config: TXL		
11608	M1O	04-003/15:15:00.0	54	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
11609	M1O	04-003/15:15:00.0	54	Config: CMD		
11610	M1O	04-003/15:15:00.0	54	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
11611	M1O	04-003/15:33:37.6		NOTE: South Pole Crossing 9112		04-003/15:24:11.3
11612	M1O	04-003/15:35:06.7		NOTE: Periapsis 9112 ----------		04-003/15:25:40.4
11613	M1O	04-003/16:01:53.1		NOTE: Enter Solar Eclipse 9112		04-003/15:52:26.7
11614	M1O	04-003/16:02:55.2		NOTE: Ascending Node Crossing 9112		04-003/15:53:28.8
11615	M1O	04-003/16:22:52.3		NOTE: Exit Solar Eclipse 9112		04-003/16:13:25.9
11616	M1O	04-003/16:23:36.4		NOTE: ENTER HGA KEEP OUT ZONE		
11617	M1O	04-003/16:30:56.4		NOTE: Enter Planetary Atmosphere 9112		04-003/16:21:29.9
11618	M1O	04-003/16:32:33.7		NOTE: Enter Earth Occultation 9112		04-003/16:23:07.3
11619	M1O	04-003/16:32:51.7		NOTE: North Pole Crossing 9112		04-003/16:23:25.3
11620	M1O	04-003/16:35:17.6		NOTE: Apoapsis 9112 -		04-003/16:25:51.1
11621	M1O	04-003/16:42:36.4		NOTE: EXIT HGA KEEP OUT ZONE		
11622	M1O	04-003/16:45:00.0	54	Begin Tracking		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11623	M1O	04-003/16:46:00.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
11624	M1O	04-003/16:50:00.6		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-003/16:40:34.1
11625	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
11626	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
11627	M1O	04-003/16:50:02.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-003/16:40:36.2
11628	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
11629	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
11630	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
11631	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
11632	M1O	04-003/16:50:25.6		NOTE: Exit Earth Occultation 9112		04-003/16:40:59.1
11633	M1O	04-003/16:50:25.6	54	Acquisition Of X-Band Signal		
11634	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		
11635	M1O	04-003/16:51:00.0	54	Range Modulation On: SUP=3.0dB		
11636	M1O	04-003/16:52:00.0	54	Begin Ranging Acquisition		
11637	M1O	04-003/16:52:03.9		NOTE: Exit Planetary Atmosphere 9112		04-003/16:42:37.4
11638	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
11639	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
11640	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		
11641	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
11642	M1O	04-003/17:02:52.5		NOTE: Descending Node Crossing 9113		04-003/16:53:26.0
11643	M1O	04-003/17:03:50.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-003/16:54:23.5
11644	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
11645	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		
11646	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
11647	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		
11648	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
11649	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		
11650	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
11651	M1O	04-003/17:32:13.7		NOTE: South Pole Crossing 9113		04-003/17:22:47.1
11652	M1O	04-003/17:33:47.6		NOTE: Periapsis 9113 ----------		04-003/17:24:21.0
11653	M1O	04-003/17:48:18.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
11654	M1O	04-003/17:58:18.0	54	Range Modulation Off		
11655	M1O	04-003/18:00:28.2		NOTE: Enter Solar Eclipse 9113		04-003/17:51:01.5
11656	M1O	04-003/18:01:30.9		NOTE: Ascending Node Crossing 9113		04-003/17:52:04.2
11657	M1O	04-003/18:03:18.0	54	X-Band Transmitter Off		
11658	M1O	04-003/18:21:09.3		SPAWN, Engine = 65535, Parameters = 3, 00:33:20, 1	dpt	04-003/18:11:42.6
11659	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
11660	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		
11661	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
11662	M1O	04-003/18:21:24.8		NOTE: Exit Solar Eclipse 9113		04-003/18:11:58.1
11663	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		
11664	M1O	04-003/18:22:12.7		NOTE: ENTER HGA KEEP OUT ZONE		
11665	M1O	04-003/18:22:12.7	54	NOTE: Loss Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11666	M1O	04-003/18:29:36.4		NOTE: Enter Planetary Atmosphere 9113		04-003/18:20:09.6
11667	M1O	04-003/18:30:38.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
11668	M1O	04-003/18:31:14.2		NOTE: Enter Earth Occultation 9113		04-003/18:21:47.4
11669	M1O	04-003/18:31:28.2		NOTE: North Pole Crossing 9113		04-003/18:22:01.4
11670	M1O	04-003/18:33:45.6		NOTE: Apoapsis 9113 -		04-003/18:24:18.8
11671	M1O	04-003/18:35:38.0	54	Range Modulation On: SUP=3.0dB		
11672	M1O	04-003/18:36:38.0	54	Begin Ranging Acquisition		
11673	M1O	04-003/18:41:12.8		NOTE: EXIT HGA KEEP OUT ZONE		
11674	M1O	04-003/18:48:59.8		NOTE: Exit Earth Occultation 9113		04-003/18:39:32.9
11675	M1O	04-003/18:48:59.8	54	Acquisition Of X-Band Signal		
11676	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		
11677	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		
11678	M1O	04-003/18:50:38.6		NOTE: Exit Planetary Atmosphere 9113		04-003/18:41:11.8
11679	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
11680	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		
11681	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
11682	M1O	04-003/19:01:29.8		NOTE: Descending Node Crossing 9114		04-003/18:52:02.9
11683	M1O	04-003/19:30:50.8		NOTE: South Pole Crossing 9114		04-003/19:21:23.9
11684	M1O	04-003/19:32:21.6		NOTE: Periapsis 9114 ----------		04-003/19:22:54.6
11685	M1O	04-003/19:46:55.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
11686	M1O	04-003/19:56:55.0	54	Range Modulation Off		
11687	M1O	04-003/19:59:04.7		NOTE: Enter Solar Eclipse 9114		04-003/19:49:37.6
11688	M1O	04-003/20:00:07.8		NOTE: Ascending Node Crossing 9114		04-003/19:50:40.7
11689	M1O	04-003/20:01:55.0	54	X-Band Transmitter Off		
11690	M1O	04-003/20:19:46.7		SPAWN, Engine = 65535, Parameters = 3, 00:33:20, 1	dpt	04-003/20:10:19.6
11691	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
11692	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		
11693	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
11694	M1O	04-003/20:20:01.6		NOTE: Exit Solar Eclipse 9114		04-003/20:10:34.5
11695	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		
11696	M1O	04-003/20:20:50.1		NOTE: ENTER HGA KEEP OUT ZONE		
11697	M1O	04-003/20:20:50.1	54	NOTE: Loss Of X-Band Signal		
11698	M1O	04-003/20:28:11.3		NOTE: Enter Planetary Atmosphere 9114		04-003/20:18:44.1
11699	M1O	04-003/20:29:15.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
11700	M1O	04-003/20:29:48.8		NOTE: Enter Earth Occultation 9114		04-003/20:20:21.7
11701	M1O	04-003/20:30:04.7		NOTE: North Pole Crossing 9114		04-003/20:20:37.5
11702	M1O	04-003/20:32:07.3		NOTE: Apoapsis 9114 -		04-003/20:22:40.1
11703	M1O	04-003/20:34:15.0	54	Range Modulation On: SUP=3.0dB		
11704	M1O	04-003/20:35:15.0	54	Begin Ranging Acquisition		
11705	M1O	04-003/20:39:50.2		NOTE: EXIT HGA KEEP OUT ZONE		
11706	M1O	04-003/20:47:37.5		NOTE: Exit Earth Occultation 9114		04-003/20:38:10.2
11707	M1O	04-003/20:47:37.5	54	Acquisition Of X-Band Signal		
11708	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		
11709	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		
11710	M1O	04-003/20:49:16.1		NOTE: Exit Planetary Atmosphere 9114		04-003/20:39:48.8
11711	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
11712	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		
11713	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11714	M1O	04-003/21:00:05.7		NOTE: Descending Node Crossing 9115		04-003/20:50:38.4
11715	M1O	04-003/21:29:26.9		NOTE: South Pole Crossing 9115		04-003/21:19:59.5
11716	M1O	04-003/21:30:55.8		NOTE: Periapsis 9115 ----------		04-003/21:21:28.5
11717	M1O	04-003/21:45:30.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
11718	M1O	04-003/21:55:30.0	54	Range Modulation Off		
11719	M1O	04-003/21:57:40.8		NOTE: Enter Solar Eclipse 9115		04-003/21:48:13.3
11720	M1O	04-003/21:58:44.0		NOTE: Ascending Node Crossing 9115		04-003/21:49:16.5
11721	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
11722	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
11723	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		
11724	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
11725	M1O	04-003/21:59:08.5		CALL, Engine = , Parameters = 56	get_cmd_opt	04-003/21:49:41.1
11726	M1O	04-003/21:59:08.8		CALL, Engine = , Parameters = 003, 04, 056	bld_autosw	04-003/21:49:41.4
11727	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
11728	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
11729	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
11730	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
11731	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
11732	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
11733	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
11734	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
11735	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
11736	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
11737	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
11738	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
11739	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
11740	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
11741	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
11742	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
11743	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
11744	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
11745	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
11746	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
11747	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
11748	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
11749	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
11750	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
11751	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11752	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
11753	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
11754	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
11755	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
11756	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
11757	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
11758	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
11759	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
11760	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
11761	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
11762	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
11763	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
11764	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
11765	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
11766	M1O	04-003/21:59:50.8		CALL, Engine = , Parameters = 56	get_apid	04-003/21:50:23.4
11767	M1O	04-003/21:59:51.9		CALL, Engine = , Parameters = 56	get_rcv_mode	04-003/21:50:24.5
11768	M1O	04-003/21:59:52.1		CALL, Engine = , Parameters = 56	get_dl_rate	04-003/21:50:24.7
11769	M1O	04-003/21:59:53.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-003/21:50:25.8
11770	M1O	04-003/21:59:54.4		CALL, Engine = , Parameters = 56	get_coding	04-003/21:50:27.0
11771	M1O	04-003/21:59:55.6		CALL, Engine = , Parameters = 56	get_xmt_mode	04-003/21:50:28.2
11772	M1O	04-003/21:59:56.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-003/21:50:29.4
11773	M1O	04-003/22:00:30.0	54	X-Band Transmitter Off		
11774	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
11775	M1O	04-003/22:01:02.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-003/21:51:35.2
11776	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
11777	M1O	04-003/22:01:04.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-003/21:51:37.2
11778	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
11779	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
11780	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
11781	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
11782	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
11783	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
11784	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
11785	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
11786	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
11787	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
11788	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
11789	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11790	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
11791	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
11792	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		
11793	M1O	04-003/22:07:41.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-003/21:58:13.6
11794	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
11795	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		
11796	M1O	04-003/22:18:22.1		SPAWN, Engine = 65535, Parameters = 3, 00:33:23, 1	dpt	04-003/22:08:54.6
11797	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
11798	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		
11799	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
11800	M1O	04-003/22:18:40.5		NOTE: Exit Solar Eclipse 9115		04-003/22:09:13.0
11801	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		
11802	M1O	04-003/22:19:25.5		NOTE: ENTER HGA KEEP OUT ZONE		
11803	M1O	04-003/22:19:25.5	54	NOTE: Loss Of X-Band Signal		
11804	M1O	04-003/22:26:40.8		NOTE: Enter Planetary Atmosphere 9115		04-003/22:17:13.3
11805	M1O	04-003/22:27:53.0	54	Acquire U/L: X/08, PWR=20.0, BR=125.0		
11806	M1O	04-003/22:28:17.7		NOTE: Enter Earth Occultation 9115		04-003/22:18:50.1
11807	M1O	04-003/22:28:39.7		NOTE: North Pole Crossing 9115		04-003/22:19:12.2
11808	M1O	04-003/22:30:38.0		NOTE: Apoapsis 9115 -		04-003/22:21:10.4
11809	M1O	04-003/22:32:53.0	54	Range Modulation On: SUP=3.0dB		
11810	M1O	04-003/22:33:53.0	54	Begin Ranging Acquisition		
11811	M1O	04-003/22:38:25.5		NOTE: EXIT HGA KEEP OUT ZONE		
11812	M1O	04-003/22:46:15.5		NOTE: Exit Earth Occultation 9115		04-003/22:36:47.9
11813	M1O	04-003/22:46:15.5	54	Acquisition Of X-Band Signal		
11814	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		
11815	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		
11816	M1O	04-003/22:47:53.3		NOTE: Exit Planetary Atmosphere 9115		04-003/22:38:25.7
11817	M1O	04-003/22:51:05.0	54	NOTE: X-Band Transmitter Off in 15 minutes		
11818	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
11819	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		
11820	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
11821	M1O	04-003/22:58:39.3		NOTE: Descending Node Crossing 9116		04-003/22:49:11.7
11822	M1O	04-003/23:01:05.0	54	Range Modulation Off		
11823	M1O	04-003/23:06:04.6	54	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
11824	M1O	04-003/23:06:05.0	54	X-Band Transmitter Off		
11825	M1O	04-003/23:16:48.6		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-003/23:07:21.0
11826	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
11827	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
11828	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
11829	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
11830	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
11831	M1O	04-003/23:17:09.4		Queues in the retransmit buffer, by time range, designated packet from the specified	PCKTS_RE_TX_TIME	04-003/23:07:41.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 13, 2004-001T23:07:21.100, 2004-003T23:07:21.100		
11832	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
11833	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		
11834	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
11835	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		
11836	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
11837	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
11838	M1O	04-003/23:24:27.5	54	D/L RF Warning: SC antenna change - expect signal level variation		
11839	M1O	04-003/23:24:28.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-003/23:15:00.8
11840	M1O	04-003/23:25:00.0	54	End Tracking		
11841	M1O	04-003/23:28:00.3		NOTE: South Pole Crossing 9116		04-003/23:18:32.5
11842	M1O	04-003/23:29:32.1		NOTE: Periapsis 9116 ----------		04-003/23:20:04.3
11843	M1O	04-003/23:40:00.0	54	End Post-Cal		
11844	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
11845	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
11846	M1O	04-003/23:42:58.8		CALL, Engine = , Parameters = 56	get_cmd_opt	04-003/23:33:31.1
11847	M1O	04-003/23:42:59.1		CALL, Engine = , Parameters = 003, 05, 056	bld_autosw	04-003/23:33:31.4
11848	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
11849	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
11850	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
11851	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
11852	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
11853	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
11854	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
11855	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
11856	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
11857	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
11858	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
11859	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
11860	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
11861	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
11862	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
11863	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
11864	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
11865	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
11866	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
11867	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
11868	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

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11869	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
11870	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
11871	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
11872	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
11873	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
11874	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
11875	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
11876	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
11877	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
11878	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
11879	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
11880	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
11881	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
11882	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
11883	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
11884	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
11885	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
11886	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
11887	M1O	04-003/23:43:41.1		CALL, Engine = , Parameters = 56	get_apid	04-003/23:34:13.4
11888	M1O	04-003/23:43:42.2		CALL, Engine = , Parameters = 56	get_rcv_mode	04-003/23:34:14.5
11889	M1O	04-003/23:43:42.4		CALL, Engine = , Parameters = 56	get_dl_rate	04-003/23:34:14.7
11890	M1O	04-003/23:43:43.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-003/23:34:15.8
11891	M1O	04-003/23:43:44.7		CALL, Engine = , Parameters = 56	get_coding	04-003/23:34:17.0
11892	M1O	04-003/23:43:45.9		CALL, Engine = , Parameters = 56	get_xmt_mode	04-003/23:34:18.2
11893	M1O	04-003/23:43:47.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-003/23:34:19.4
11894	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
11895	M1O	04-003/23:44:52.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-003/23:35:25.2
11896	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
11897	M1O	04-003/23:44:54.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-003/23:35:27.2
11898	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
11899	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
11900	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
11901	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
11902	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
11903	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
11904	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
11905	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
11906	M1O	04-003/23:49:59.9		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	04-003/23:40:32.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				BYPASS_COD, PSK		
11907	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
11908	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
11909	M1O	04-003/23:53:59.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-003/23:44:31.2
11910	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
11911	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
11912	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
11913	M1O	04-003/23:56:13.3		NOTE: Enter Solar Eclipse 9116		04-003/23:46:45.5
11914	M1O	04-003/23:57:17.2		NOTE: Ascending Node Crossing 9116		04-003/23:47:49.4
11915	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
11916	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
11917	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
11918	M1O	04-004/00:00:00.0		Light Time: OWLT = 09:27, RTLT = 18:55		
11919	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
11920	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
11921	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
11922	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
11923	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
11924	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
11925	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
11926	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
11927	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
11928	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
11929	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
11930	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
11931	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
11932	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
11933	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
11934	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11935	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
11936	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
11937	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
11938	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
11939	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
11940	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
11941	M1O	04-004/00:17:10.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-004/00:07:42.3
11942	M1O	04-004/00:17:16.2		NOTE: Exit Solar Eclipse 9116		04-004/00:07:48.3
11943	M1O	04-004/00:17:58.8		NOTE: ENTER HGA KEEP OUT ZONE		
11944	M1O	04-004/00:25:09.0		NOTE: Enter Planetary Atmosphere 9116		04-004/00:15:41.1
11945	M1O	04-004/00:26:45.4		NOTE: Enter Earth Occultation 9116		04-004/00:17:17.5
11946	M1O	04-004/00:27:12.2		NOTE: North Pole Crossing 9116		04-004/00:17:44.2
11947	M1O	04-004/00:29:25.5		NOTE: Apoapsis 9116 -		04-004/00:19:57.6
11948	M1O	04-004/00:36:58.9		NOTE: EXIT HGA KEEP OUT ZONE		
11949	M1O	04-004/00:44:49.4		NOTE: Exit Earth Occultation 9116		04-004/00:35:21.5
11950	M1O	04-004/00:46:26.8		NOTE: Exit Planetary Atmosphere 9116		04-004/00:36:58.8
11951	M1O	04-004/00:57:11.0		NOTE: Descending Node Crossing 9117		04-004/00:47:43.0
11952	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
11953	M1O	04-004/01:10:12.1		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-004/01:00:44.1
11954	M1O	04-004/01:10:13.1		Forces a desaturation of the reaction wheels.	RW_DESAT	04-004/01:00:45.1
11955	M1O	04-004/01:21:43.1		CALL, Engine = , Parameters = FALSE	park_hga	04-004/01:12:15.1
11956	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
11957	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
11958	M1O	04-004/01:21:45.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-004/01:12:17.1
11959	M1O	04-004/01:21:45.1		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-004/01:12:17.1
11960	M1O	04-004/01:21:45.1		NOTE: START HGA PARK		
11961	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
11962	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
11963	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
11964	M1O	04-004/01:26:31.1		NOTE: South Pole Crossing 9117		04-004/01:17:03.0
11965	M1O	04-004/01:27:55.4		NOTE: Periapsis 9117 ----------		04-004/01:18:27.3
11966	M1O	04-004/01:29:47.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-004/01:20:19.1
11967	M1O	04-004/01:29:47.2		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-004/01:20:19.1
11968	M1O	04-004/01:54:43.5		NOTE: Enter Solar Eclipse 9117		04-004/01:45:15.3
11969	M1O	04-004/01:55:47.4		NOTE: Ascending Node Crossing 9117		04-004/01:46:19.2
11970	M1O	04-004/01:59:47.1		GV: GV_DESAT_ACTIVE = 1		04-004/01:50:19.0
11971	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
11972	M1O	04-004/01:59:48.1		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-004/01:50:20.0
11973	M1O	04-004/02:09:47.2		GV: GV_DESAT_ACTIVE = 0		04-004/02:00:19.0
11974	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
11975	M1O	04-004/02:09:49.2		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-004/02:00:21.0
11976	M1O	04-004/02:09:50.2		CALL, Engine = , Parameters =	unpark_hga	04-004/02:00:22.0
11977	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
11978	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
11979	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
11980	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
11981	M1O	04-004/02:15:44.2		NOTE: Exit Solar Eclipse 9117		04-004/02:06:15.9
11982	M1O	04-004/02:16:31.2		NOTE: ENTER HGA KEEP OUT ZONE		
11983	M1O	04-004/02:18:22.2		NOTE: EXIT HGA PARK		
11984	M1O	04-004/02:23:42.6		NOTE: Enter Planetary Atmosphere 9117		04-004/02:14:14.4
11985	M1O	04-004/02:25:19.4		NOTE: Enter Earth Occultation 9117		04-004/02:15:51.1
11986	M1O	04-004/02:25:43.2		NOTE: North Pole Crossing 9117		04-004/02:16:15.0
11987	M1O	04-004/02:27:42.0		NOTE: Apoapsis 9117 -		04-004/02:18:13.7
11988	M1O	04-004/02:35:31.3		NOTE: EXIT HGA KEEP OUT ZONE		
11989	M1O	04-004/02:43:18.6		NOTE: Exit Earth Occultation 9117		04-004/02:33:50.3
11990	M1O	04-004/02:44:56.4		NOTE: Exit Planetary Atmosphere 9117		04-004/02:35:28.1
11991	M1O	04-004/02:55:42.8		NOTE: Descending Node Crossing 9118		04-004/02:46:14.4
11992	M1O	04-004/03:25:02.7		NOTE: South Pole Crossing 9118		04-004/03:15:34.2
11993	M1O	04-004/03:26:05.5		NOTE: Periapsis 9118 ----------		04-004/03:16:37.0
11994	M1O	04-004/03:53:17.8		NOTE: Enter Solar Eclipse 9118		04-004/03:43:49.3
11995	M1O	04-004/03:54:19.8		NOTE: Ascending Node Crossing 9118		04-004/03:44:51.2
11996	M1O	04-004/04:14:11.5		NOTE: Exit Solar Eclipse 9118		04-004/04:04:42.9
11997	M1O	04-004/04:15:02.6		NOTE: ENTER HGA KEEP OUT ZONE		
11998	M1O	04-004/04:22:21.8		NOTE: Enter Planetary Atmosphere 9118		04-004/04:12:53.1
11999	M1O	04-004/04:23:59.4		NOTE: Enter Earth Occultation 9118		04-004/04:14:30.7
12000	M1O	04-004/04:24:16.6		NOTE: North Pole Crossing 9118		04-004/04:14:48.0
12001	M1O	04-004/04:25:56.9		NOTE: Apoapsis 9118 -		04-004/04:16:28.3
12002	M1O	04-004/04:34:02.6		NOTE: EXIT HGA KEEP OUT ZONE		
12003	M1O	04-004/04:41:47.7		NOTE: Exit Earth Occultation 9118		04-004/04:32:19.0
12004	M1O	04-004/04:43:26.4		NOTE: Exit Planetary Atmosphere 9118		04-004/04:33:57.7
12005	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
12006	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
12007	M1O	04-004/04:48:38.8		CALL, Engine = , Parameters = 254	get_cmd_opt	04-004/04:39:10.1
12008	M1O	04-004/04:49:21.0		CALL, Engine = , Parameters = 254	get_apid	04-004/04:39:52.3
12009	M1O	04-004/04:49:22.1		CALL, Engine = , Parameters = 254	get_rcv_mode	04-004/04:39:53.4
12010	M1O	04-004/04:49:22.3		CALL, Engine = , Parameters = 254	get_dl_rate	04-004/04:39:53.6
12011	M1O	04-004/04:49:23.4		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-004/04:39:54.7
12012	M1O	04-004/04:49:24.7		CALL, Engine = , Parameters = 254	get_coding	04-004/04:39:56.0
12013	M1O	04-004/04:49:25.9		CALL, Engine = , Parameters = 254	get_xmt_mode	04-004/04:39:57.2
12014	M1O	04-004/04:49:27.1		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-004/04:39:58.4
12015	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
12016	M1O	04-004/04:50:32.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-004/04:41:04.2
12017	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
12018	M1O	04-004/04:50:34.9		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-004/04:41:06.2
12019	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
12020	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
12021	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
12022	M1O	04-004/04:54:16.8		NOTE: Descending Node Crossing 9119		04-004/04:44:48.1
12023	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
12024	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12025	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
12026	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
12027	M1O	04-004/05:23:38.1		NOTE: South Pole Crossing 9119		04-004/05:14:09.3
12028	M1O	04-004/05:24:51.0		NOTE: Periapsis 9119 ----------		04-004/05:15:22.2
12029	M1O	04-004/05:51:54.9		NOTE: Enter Solar Eclipse 9119		04-004/05:42:26.0
12030	M1O	04-004/05:52:56.2		NOTE: Ascending Node Crossing 9119		04-004/05:43:27.3
12031	M1O	04-004/06:00:00.0	34	Begin Pre-Cal		
12032	M1O	04-004/06:00:00.0	34	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
12033	M1O	04-004/06:00:00.0	34	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
12034	M1O	04-004/06:00:00.0	34	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
12035	M1O	04-004/06:00:00.0	34	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
12036	M1O	04-004/06:00:00.0	34	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
12037	M1O	04-004/06:00:00.0	34	Config: RCV: Parms:		
12038	M1O	04-004/06:00:00.0	34	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
12039	M1O	04-004/06:00:00.0	34	Config: TGC: BAND=X, SR=79632.000000		
12040	M1O	04-004/06:00:00.0	34	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
12041	M1O	04-004/06:12:45.5		NOTE: Exit Solar Eclipse 9119		04-004/06:03:16.5
12042	M1O	04-004/06:13:36.9		NOTE: ENTER HGA KEEP OUT ZONE		
12043	M1O	04-004/06:15:00.0	43	Begin Pre-Cal		
12044	M1O	04-004/06:15:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
12045	M1O	04-004/06:15:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
12046	M1O	04-004/06:15:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
12047	M1O	04-004/06:15:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
12048	M1O	04-004/06:15:00.0	43	At BOT: S/C Tlm Mode: BR=0.0, FL=10112, SC=375KHZ, MI=71.7		
12049	M1O	04-004/06:15:00.0	43	Config: RCV: Parms:		
12050	M1O	04-004/06:15:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
12051	M1O	04-004/06:15:00.0	43	Config: TGC: BAND=X, SR=0.000000		
12052	M1O	04-004/06:15:00.0	43	Config: TXL		
12053	M1O	04-004/06:15:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
12054	M1O	04-004/06:15:00.0	43	Config: CMD		
12055	M1O	04-004/06:15:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
12056	M1O	04-004/06:20:59.9		NOTE: Enter Planetary Atmosphere 9119		04-004/06:11:30.9
12057	M1O	04-004/06:22:38.0		NOTE: Enter Earth Occultation 9119		04-004/06:13:09.0
12058	M1O	04-004/06:22:52.7		NOTE: North Pole Crossing 9119		04-004/06:13:23.7
12059	M1O	04-004/06:24:53.9		NOTE: Apoapsis 9119 -		04-004/06:15:24.9
12060	M1O	04-004/06:30:00.0	34	Begin Tracking		
12061	M1O	04-004/06:32:37.0		NOTE: EXIT HGA KEEP OUT ZONE		
12062	M1O	04-004/06:39:55.5		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-004/06:30:26.5
12063	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
12064	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
12065	M1O	04-004/06:39:57.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-004/06:30:28.6
12066	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
12067	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
12068	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
12069	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
12070	M1O	04-004/06:40:20.5		NOTE: Exit Earth Occultation 9119		04-004/06:30:51.5
12071	M1O	04-004/06:40:20.5	34	Acquisition Of X-Band Signal		
12072	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		
12073	M1O	04-004/06:41:59.6		NOTE: Exit Planetary Atmosphere 9119		04-004/06:32:30.6
12074	M1O	04-004/06:42:45.0		SPAWN, Engine = 65535, Parameters = 004, 02, TRUE, 00:18:54, 254, FALSE, 32_KPS,	uhf	04-004/06:33:16.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				00:05:00, 00:00:00		
12075	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
12076	M1O	04-004/06:42:48.1		CALL, Engine = , Parameters = 254	get_cmd_opt	04-004/06:33:19.1
12077	M1O	04-004/06:42:48.4		CALL, Engine = , Parameters = 004, 02, 254	bld_autosw	04-004/06:33:19.4
12078	M1O	04-004/06:42:49.5		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	04-004/06:33:20.5
12079	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
12080	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
12081	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
12082	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
12083	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
12084	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
12085	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
12086	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
12087	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
12088	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
12089	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
12090	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
12091	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
12092	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
12093	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
12094	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
12095	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
12096	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
12097	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
12098	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
12099	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
12100	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
12101	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
12102	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
12103	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
12104	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
12105	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
12106	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
12107	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
12108	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
12109	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12110	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
12111	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
12112	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
12113	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
12114	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
12115	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
12116	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
12117	M1O	04-004/06:43:30.4		CALL, Engine = , Parameters = 254	get_apid	04-004/06:34:01.4
12118	M1O	04-004/06:43:31.5		CALL, Engine = , Parameters = 254	get_rcv_mode	04-004/06:34:02.5
12119	M1O	04-004/06:43:31.7		CALL, Engine = , Parameters = 254	get_dl_rate	04-004/06:34:02.7
12120	M1O	04-004/06:43:32.8		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-004/06:34:03.8
12121	M1O	04-004/06:43:34.1		CALL, Engine = , Parameters = 254	get_coding	04-004/06:34:05.1
12122	M1O	04-004/06:43:35.3		CALL, Engine = , Parameters = 254	get_xmt_mode	04-004/06:34:06.3
12123	M1O	04-004/06:43:36.5		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-004/06:34:07.5
12124	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
12125	M1O	04-004/06:44:42.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-004/06:35:13.3
12126	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
12127	M1O	04-004/06:44:44.3		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-004/06:35:15.3
12128	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
12129	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
12130	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
12131	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
12132	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
12133	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		
12134	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
12135	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		
12136	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
12137	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
12138	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
12139	M1O	04-004/06:52:52.9		NOTE: Descending Node Crossing 9120		04-004/06:43:23.8
12140	M1O	04-004/06:58:58.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-004/06:49:29.0
12141	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
12142	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
12143	M1O	04-004/07:00:00.0	43	Begin Tracking		
12144	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		
12145	M1O	04-004/07:01:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12146	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
12147	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
12148	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
12149	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12150	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
12151	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		
12152	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		
12153	M1O	04-004/07:03:53.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-004/06:54:24.4
12154	M1O	04-004/07:05:00.2		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-004/06:55:31.1
12155	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		
12156	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		
12157	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
12158	M1O	04-004/07:06:00.0	43	Range Modulation On: SUP=3.0dB		
12159	M1O	04-004/07:07:00.0	43	Begin Ranging Acquisition		
12160	M1O	04-004/07:09:29.1		SPAWN, Engine = 65535, Parameters =	scdiag	04-004/07:00:00.0
12161	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
12162	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
12163	M1O	04-004/07:10:32.1		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-004/07:01:03.0
12164	M1O	04-004/07:10:32.3		NOTE: Start Block fsw_diag		04-004/07:01:03.2
12165	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
12166	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
12167	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
12168	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
12169	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
12170	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
12171	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
12172	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
12173	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
12174	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
12175	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
12176	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
12177	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
12178	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
12179	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
12180	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
12181	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
12182	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
12183	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
12184	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
12185	M1O	04-004/07:13:43.3		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-004/07:04:14.2
12186	M1O	04-004/07:13:54.3		NOTE: End Block fsw_diag.mod		04-004/07:04:25.2
12187	M1O	04-004/07:18:56.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-004/07:09:26.8
12188	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
12189	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		
12190	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		
12191	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12192	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		
12193	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		
12194	M1O	04-004/07:22:15.1		NOTE: South Pole Crossing 9120		04-004/07:12:45.9
12195	M1O	04-004/07:23:54.8		NOTE: Periapsis 9120 ----------		04-004/07:14:25.6
12196	M1O	04-004/07:24:58.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-004/07:15:28.9
12197	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		
12198	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		
12199	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
12200	M1O	04-004/07:38:34.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
12201	M1O	04-004/07:48:34.0	43	Range Modulation Off		
12202	M1O	04-004/07:50:30.4		NOTE: Enter Solar Eclipse 9120		04-004/07:41:01.2
12203	M1O	04-004/07:51:33.2		NOTE: Ascending Node Crossing 9120		04-004/07:42:04.0
12204	M1O	04-004/07:53:34.0	43	X-Band Transmitter Off		
12205	M1O	04-004/08:11:22.3		NOTE: Exit Solar Eclipse 9120		04-004/08:01:52.9
12206	M1O	04-004/08:11:30.1		SPAWN, Engine = 65535, Parameters = 3, 00:32:55, 1	dpt	04-004/08:02:00.8
12207	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
12208	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		
12209	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		
12210	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
12211	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		
12212	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		
12213	M1O	04-004/08:12:33.3		NOTE: ENTER HGA KEEP OUT ZONE		
12214	M1O	04-004/08:12:33.3	34	NOTE: Loss Of X-Band Signal		
12215	M1O	04-004/08:12:33.3	43	NOTE: Loss Of X-Band Signal		
12216	M1O	04-004/08:19:36.2		NOTE: Enter Planetary Atmosphere 9120		04-004/08:10:06.9
12217	M1O	04-004/08:20:29.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12218	M1O	04-004/08:21:14.5		NOTE: Enter Earth Occultation 9120		04-004/08:11:45.1
12219	M1O	04-004/08:21:29.3		NOTE: North Pole Crossing 9120		04-004/08:11:59.9
12220	M1O	04-004/08:24:01.8		NOTE: Apoapsis 9120 -		04-004/08:14:32.4
12221	M1O	04-004/08:25:29.0	43	Range Modulation On: SUP=3.0dB		
12222	M1O	04-004/08:26:29.0	43	Begin Ranging Acquisition		
12223	M1O	04-004/08:31:13.4		NOTE: EXIT HGA KEEP OUT ZONE		
12224	M1O	04-004/08:38:55.5		NOTE: Exit Earth Occultation 9120		04-004/08:29:26.1
12225	M1O	04-004/08:38:55.5	34	Acquisition Of X-Band Signal		
12226	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		
12227	M1O	04-004/08:38:55.5	43	Acquisition Of X-Band Signal		
12228	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		
12229	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		
12230	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		
12231	M1O	04-004/08:40:34.7		NOTE: Exit Planetary Atmosphere 9120		04-004/08:31:05.3
12232	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
12233	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		
12234	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		
12235	M1O	04-004/08:44:28.3		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-004/08:34:58.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
12236	M1O	04-004/08:51:29.7		NOTE: Descending Node Crossing 9121		04-004/08:42:00.3
12237	M1O	04-004/09:20:51.6		NOTE: South Pole Crossing 9121		04-004/09:11:22.0
12238	M1O	04-004/09:22:46.6		NOTE: Periapsis 9121 ----------		04-004/09:13:17.0
12239	M1O	04-004/09:37:10.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
12240	M1O	04-004/09:47:10.0	43	Range Modulation Off		
12241	M1O	04-004/09:49:03.8		NOTE: Enter Solar Eclipse 9121		04-004/09:39:34.2
12242	M1O	04-004/09:50:08.7		NOTE: Ascending Node Crossing 9121		04-004/09:40:39.1
12243	M1O	04-004/09:52:10.0	43	X-Band Transmitter Off		
12244	M1O	04-004/10:09:59.0		NOTE: Exit Solar Eclipse 9121		04-004/10:00:29.3
12245	M1O	04-004/10:10:06.5		SPAWN, Engine = 65535, Parameters = 3, 00:32:55, 1	dpt	04-004/10:00:36.8
12246	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
12247	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		
12248	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		
12249	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
12250	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		
12251	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		
12252	M1O	04-004/10:11:09.7		NOTE: ENTER HGA KEEP OUT ZONE		
12253	M1O	04-004/10:11:09.7	34	NOTE: Loss Of X-Band Signal		
12254	M1O	04-004/10:11:09.7	43	NOTE: Loss Of X-Band Signal		
12255	M1O	04-004/10:18:09.5		NOTE: Enter Planetary Atmosphere 9121		04-004/10:08:39.7
12256	M1O	04-004/10:19:05.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12257	M1O	04-004/10:19:47.5		NOTE: Enter Earth Occultation 9121		04-004/10:10:17.7
12258	M1O	04-004/10:20:04.7		NOTE: North Pole Crossing 9121		04-004/10:10:35.0
12259	M1O	04-004/10:22:40.5		NOTE: Apoapsis 9121 -		04-004/10:13:10.8
12260	M1O	04-004/10:24:05.0	43	Range Modulation On: SUP=3.0dB		
12261	M1O	04-004/10:25:05.0	43	Begin Ranging Acquisition		
12262	M1O	04-004/10:29:49.7		NOTE: EXIT HGA KEEP OUT ZONE		
12263	M1O	04-004/10:37:32.3		NOTE: Exit Earth Occultation 9121		04-004/10:28:02.5
12264	M1O	04-004/10:37:32.3	34	Acquisition Of X-Band Signal		
12265	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		
12266	M1O	04-004/10:37:32.3	43	Acquisition Of X-Band Signal		
12267	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		
12268	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		
12269	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		
12270	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
12271	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
12272	M1O	04-004/10:38:27.8		CALL, Engine = , Parameters = 56	get_cmd_opt	04-004/10:28:58.1
12273	M1O	04-004/10:38:28.1		CALL, Engine = , Parameters = 004, 01, 056	bld_autosw	04-004/10:28:58.4
12274	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
12275	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
12276	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
12277	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
12278	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
12279	M1O	04-004/10:38:34.5		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-004/10:29:04.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy004_pass01_file03.dat, d:/dat/autoswitch.dat		
12280	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
12281	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
12282	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
12283	M1O	04-004/10:38:38.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass01_file05.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/10:29:09.0
12284	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
12285	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
12286	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
12287	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
12288	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
12289	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
12290	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
12291	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
12292	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
12293	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
12294	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
12295	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
12296	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
12297	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
12298	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
12299	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
12300	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
12301	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
12302	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
12303	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
12304	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
12305	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
12306	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
12307	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
12308	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
12309	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
12310	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
12311	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
12312	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
12313	M1O	04-004/10:39:10.1		CALL, Engine = , Parameters = 56	get_apid	04-004/10:29:40.4
12314	M1O	04-004/10:39:11.3		CALL, Engine = , Parameters = 56	get_rcv_mode	04-004/10:29:41.5
12315	M1O	04-004/10:39:11.3		NOTE: Exit Planetary Atmosphere 9121		04-004/10:29:41.5
12316	M1O	04-004/10:39:11.5		CALL, Engine = , Parameters = 56	get_dl_rate	04-004/10:29:41.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12317	M1O	04-004/10:39:12.6		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-004/10:29:42.8
12318	M1O	04-004/10:39:13.8		CALL, Engine = , Parameters = 56	get_coding	04-004/10:29:44.0
12319	M1O	04-004/10:39:15.0		CALL, Engine = , Parameters = 56	get_xmt_mode	04-004/10:29:45.2
12320	M1O	04-004/10:39:16.2		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-004/10:29:46.4
12321	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
12322	M1O	04-004/10:40:22.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-004/10:30:52.2
12323	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
12324	M1O	04-004/10:40:24.0		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-004/10:30:54.2
12325	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
12326	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
12327	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
12328	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
12329	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
12330	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
12331	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		
12332	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		
12333	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
12334	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		
12335	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		
12336	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
12337	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
12338	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
12339	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
12340	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
12341	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
12342	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
12343	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
12344	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
12345	M1O	04-004/10:50:05.2		NOTE: Descending Node Crossing 9122		04-004/10:40:35.4
12346	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
12347	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
12348	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
12349	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
12350	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
12351	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12352	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
12353	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		
12354	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		
12355	M1O	04-004/10:53:13.7		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-004/10:43:43.9
12356	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
12357	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		
12358	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		
12359	M1O	04-004/11:19:25.8		NOTE: South Pole Crossing 9122		04-004/11:09:55.8
12360	M1O	04-004/11:21:12.1		NOTE: Periapsis 9122 ----------		04-004/11:11:42.1
12361	M1O	04-004/11:35:44.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
12362	M1O	04-004/11:45:44.0	43	Range Modulation Off		
12363	M1O	04-004/11:47:35.3		NOTE: Enter Solar Eclipse 9122		04-004/11:38:05.3
12364	M1O	04-004/11:48:41.7		NOTE: Ascending Node Crossing 9122		04-004/11:39:11.7
12365	M1O	04-004/11:50:44.0	43	X-Band Transmitter Off		
12366	M1O	04-004/12:08:34.0		NOTE: Exit Solar Eclipse 9122		04-004/11:59:03.9
12367	M1O	04-004/12:08:39.8		SPAWN, Engine = 65535, Parameters = 3, 00:32:57.228, 1	dpt	04-004/11:59:09.7
12368	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
12369	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		
12370	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		
12371	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
12372	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		
12373	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		
12374	M1O	04-004/12:09:45.0		NOTE: ENTER HGA KEEP OUT ZONE		
12375	M1O	04-004/12:09:45.0	34	NOTE: Loss Of X-Band Signal		
12376	M1O	04-004/12:09:45.0	43	NOTE: Loss Of X-Band Signal		
12377	M1O	04-004/12:16:38.5		NOTE: Enter Planetary Atmosphere 9122		04-004/12:07:08.4
12378	M1O	04-004/12:17:39.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12379	M1O	04-004/12:18:16.0		NOTE: Enter Earth Occultation 9122		04-004/12:08:45.9
12380	M1O	04-004/12:18:37.5		NOTE: North Pole Crossing 9122		04-004/12:09:07.4
12381	M1O	04-004/12:20:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
12382	M1O	04-004/12:20:54.8		NOTE: Apoapsis 9122 -		04-004/12:11:24.6
12383	M1O	04-004/12:22:39.0	43	Range Modulation On: SUP=3.0dB		
12384	M1O	04-004/12:23:39.0	43	Begin Ranging Acquisition		
12385	M1O	04-004/12:26:26.1		SPAWN, Engine = 65535, Parameters = 004, 02, TRUE, 00:32:00, 056, FALSE, 32_KPS, 00:01:00, 00:02:00	uhf	04-004/12:16:56.0
12386	M1O	04-004/12:26:27.2		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	04-004/12:16:57.1
12387	M1O	04-004/12:26:29.2		CALL, Engine = , Parameters = 56	get_cmd_opt	04-004/12:16:59.1
12388	M1O	04-004/12:26:29.5		CALL, Engine = , Parameters = 004, 02, 056	bld_autosw	04-004/12:16:59.4
12389	M1O	04-004/12:26:30.6		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	04-004/12:17:00.5
12390	M1O	04-004/12:26:31.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass02_file01.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/12:17:01.6
12391	M1O	04-004/12:26:32.7		Deletes the designated file.: d:/dat/056_doy004_pass02_file01.dat	FILE_DELETE	04-004/12:17:02.6
12392	M1O	04-004/12:26:33.8		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass02_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/12:17:03.7
12393	M1O	04-004/12:26:34.8		Deletes the designated file.: d:/dat/056_doy004_pass02_file02.dat	FILE_DELETE	04-004/12:17:04.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12394	M1O	04-004/12:26:35.9		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass02_file03.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/12:17:05.8
12395	M1O	04-004/12:26:36.9		Deletes the designated file.: d:/dat/056_doy004_pass02_file03.dat	FILE_DELETE	04-004/12:17:06.8
12396	M1O	04-004/12:26:38.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy004_pass02_file04.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/12:17:07.9
12397	M1O	04-004/12:26:39.0		Deletes the designated file.: d:/dat/056_doy004_pass02_file04.dat	FILE_DELETE	04-004/12:17:08.9
12398	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
12399	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
12400	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
12401	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
12402	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
12403	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
12404	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
12405	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
12406	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
12407	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
12408	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
12409	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
12410	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
12411	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
12412	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
12413	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
12414	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
12415	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
12416	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
12417	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
12418	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
12419	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
12420	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
12421	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
12422	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
12423	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
12424	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
12425	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
12426	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
12427	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
12428	M1O	04-004/12:27:11.5		CALL, Engine = , Parameters = 56	get_apid	04-004/12:17:41.4
12429	M1O	04-004/12:27:12.6		CALL, Engine = , Parameters = 56	get_rcv_mode	04-004/12:17:42.5
12430	M1O	04-004/12:27:12.8		CALL, Engine = , Parameters = 56	get_dl_rate	04-004/12:17:42.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12431	M1O	04-004/12:27:13.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-004/12:17:43.8
12432	M1O	04-004/12:27:15.1		CALL, Engine = , Parameters = 56	get_coding	04-004/12:17:45.0
12433	M1O	04-004/12:27:16.3		CALL, Engine = , Parameters = 56	get_xmt_mode	04-004/12:17:46.2
12434	M1O	04-004/12:27:17.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-004/12:17:47.4
12435	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
12436	M1O	04-004/12:28:23.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-004/12:18:53.2
12437	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
12438	M1O	04-004/12:28:25.1		NOTE: EXIT HGA KEEP OUT ZONE		
12439	M1O	04-004/12:28:25.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-004/12:18:55.2
12440	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
12441	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
12442	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
12443	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
12444	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
12445	M1O	04-004/12:30:00.0	43	Range Modulation Off		
12446	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
12447	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
12448	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
12449	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
12450	M1O	04-004/12:35:00.0	43	X-Band Transmitter Off		
12451	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
12452	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
12453	M1O	04-004/12:36:07.7		NOTE: Exit Earth Occultation 9122		04-004/12:26:37.5
12454	M1O	04-004/12:36:07.7	34	Acquisition Of X-Band Signal		
12455	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		
12456	M1O	04-004/12:36:07.7	43	Acquisition Of X-Band Signal		
12457	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		
12458	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		
12459	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		
12460	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
12461	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
12462	M1O	04-004/12:37:46.2		NOTE: Exit Planetary Atmosphere 9122		04-004/12:28:16.0
12463	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
12464	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
12465	M1O	04-004/12:40:59.5	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
12466	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
12467	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
12468	M1O	04-004/12:41:39.2		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-004/12:32:09.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
12469	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		
12470	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		
12471	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
12472	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		
12473	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		
12474	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
12475	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
12476	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
12477	M1O	04-004/12:45:00.0	34	End Tracking		
12478	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
12479	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
12480	M1O	04-004/12:45:50.1		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-004/12:36:20.0
12481	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
12482	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
12483	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
12484	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
12485	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
12486	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
12487	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
12488	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		
12489	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
12490	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		
12491	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
12492	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
12493	M1O	04-004/12:48:02.0	43	NOTE: Below Uplink Interlock Limit		
12494	M1O	04-004/12:48:37.4		NOTE: Descending Node Crossing 9123		04-004/12:39:07.2
12495	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
12496	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
12497	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
12498	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
12499	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
12500	M1O	04-004/12:53:13.0		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-004/12:43:42.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
12501	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
12502	M1O	04-004/12:53:29.0	43	D/L RF Warning: SC antenna change - expect signal level variation		
12503	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
12504	M1O	04-004/12:53:30.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-004/12:43:59.8
12505	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
12506	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		
12507	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
12508	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
12509	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
12510	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
12511	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
12512	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
12513	M1O	04-004/13:00:00.0	34	End Post-Cal		
12514	M1O	04-004/13:00:00.0	43	End Tracking		
12515	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
12516	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
12517	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
12518	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
12519	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
12520	M1O	04-004/13:00:40.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-004/12:51:10.3
12521	M1O	04-004/13:15:00.0	43	End Post-Cal		
12522	M1O	04-004/13:17:57.2		NOTE: South Pole Crossing 9123		04-004/13:08:26.9
12523	M1O	04-004/13:19:23.2		NOTE: Periapsis 9123 ----------		04-004/13:09:52.9
12524	M1O	04-004/13:46:07.5		NOTE: Enter Solar Eclipse 9123		04-004/13:36:37.1
12525	M1O	04-004/13:47:13.3		NOTE: Ascending Node Crossing 9123		04-004/13:37:42.9
12526	M1O	04-004/13:59:30.4		NOTE: Changing to 70M downlink rate: 110600_BPS		04-004/13:50:00.0
12527	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
12528	M1O	04-004/14:00:00.0	63	Begin Pre-Cal		
12529	M1O	04-004/14:00:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
12530	M1O	04-004/14:00:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
12531	M1O	04-004/14:00:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
12532	M1O	04-004/14:00:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
12533	M1O	04-004/14:00:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
12534	M1O	04-004/14:00:00.0	63	Config: RCV: Parms:		
12535	M1O	04-004/14:00:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
12536	M1O	04-004/14:00:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
12537	M1O	04-004/14:00:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
12538	M1O	04-004/14:07:05.3		NOTE: Exit Solar Eclipse 9123		04-004/13:57:34.9
12539	M1O	04-004/14:07:57.4		NOTE: ENTER HGA KEEP OUT ZONE		
12540	M1O	04-004/14:15:08.7		NOTE: Enter Planetary Atmosphere 9123		04-004/14:05:38.2
12541	M1O	04-004/14:16:46.1		NOTE: Enter Earth Occultation 9123		04-004/14:07:15.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12542	M1O	04-004/14:17:08.6		NOTE: North Pole Crossing 9123		04-004/14:07:38.1
12543	M1O	04-004/14:19:19.3		NOTE: Apoapsis 9123 -		04-004/14:09:48.9
12544	M1O	04-004/14:26:57.5		NOTE: EXIT HGA KEEP OUT ZONE		
12545	M1O	04-004/14:34:38.0		NOTE: Exit Earth Occultation 9123		04-004/14:25:07.5
12546	M1O	04-004/14:36:16.5		NOTE: Exit Planetary Atmosphere 9123		04-004/14:26:46.0
12547	M1O	04-004/14:47:07.7		NOTE: Descending Node Crossing 9124		04-004/14:37:37.2
12548	M1O	04-004/15:16:28.2		NOTE: South Pole Crossing 9124		04-004/15:06:57.6
12549	M1O	04-004/15:17:47.9		NOTE: Periapsis 9124 ----------		04-004/15:08:17.2
12550	M1O	04-004/15:29:35.6		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-004/15:20:04.9
12551	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
12552	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
12553	M1O	04-004/15:29:37.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-004/15:20:07.0
12554	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
12555	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
12556	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
12557	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
12558	M1O	04-004/15:30:00.0	63	Begin Tracking		
12559	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		
12560	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
12561	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
12562	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		
12563	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
12564	M1O	04-004/15:44:40.8		NOTE: Enter Solar Eclipse 9124		04-004/15:35:10.1
12565	M1O	04-004/15:45:45.4		NOTE: Ascending Node Crossing 9124		04-004/15:36:14.7
12566	M1O	04-004/16:05:25.8		SPAWN, Engine = 65535, Parameters = 3, 00:32:37.452, 1	dpt	04-004/15:55:55.0
12567	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
12568	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		
12569	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
12570	M1O	04-004/16:05:32.6		NOTE: Exit Solar Eclipse 9124		04-004/15:56:01.8
12571	M1O	04-004/16:06:27.8		NOTE: ENTER HGA KEEP OUT ZONE		
12572	M1O	04-004/16:06:27.8	63	NOTE: Loss Of X-Band Signal		
12573	M1O	04-004/16:13:48.1		NOTE: Enter Planetary Atmosphere 9124		04-004/16:04:17.3
12574	M1O	04-004/16:15:26.7		NOTE: Enter Earth Occultation 9124		04-004/16:05:55.9
12575	M1O	04-004/16:15:41.7		NOTE: North Pole Crossing 9124		04-004/16:06:10.8
12576	M1O	04-004/16:17:59.3		NOTE: Apoapsis 9124 -		04-004/16:08:28.4
12577	M1O	04-004/16:25:27.8		NOTE: EXIT HGA KEEP OUT ZONE		
12578	M1O	04-004/16:33:05.3		NOTE: Exit Earth Occultation 9124		04-004/16:23:34.4
12579	M1O	04-004/16:33:05.3	63	Acquisition Of X-Band Signal		
12580	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		
12581	M1O	04-004/16:34:44.9		NOTE: Exit Planetary Atmosphere 9124		04-004/16:25:14.0
12582	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
12583	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		
12584	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12585	M1O	04-004/16:45:41.9		NOTE: Descending Node Crossing 9125		04-004/16:36:10.9
12586	M1O	04-004/17:15:02.8		NOTE: South Pole Crossing 9125		04-004/17:05:31.8
12587	M1O	04-004/17:16:29.0		NOTE: Periapsis 9125 ----------		04-004/17:06:58.0
12588	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
12589	M1O	04-004/17:27:29.1		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	04-004/17:17:58.1
12590	M1O	04-004/17:27:31.1		CALL, Engine = , Parameters = 254	get_cmd_opt	04-004/17:18:00.1
12591	M1O	04-004/17:28:13.3		CALL, Engine = , Parameters = 254	get_apid	04-004/17:18:42.3
12592	M1O	04-004/17:28:14.4		CALL, Engine = , Parameters = 254	get_rcv_mode	04-004/17:18:43.4
12593	M1O	04-004/17:28:14.6		CALL, Engine = , Parameters = 254	get_dl_rate	04-004/17:18:43.6
12594	M1O	04-004/17:28:15.7		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-004/17:18:44.7
12595	M1O	04-004/17:28:17.0		CALL, Engine = , Parameters = 254	get_coding	04-004/17:18:46.0
12596	M1O	04-004/17:28:18.2		CALL, Engine = , Parameters = 254	get_xmt_mode	04-004/17:18:47.2
12597	M1O	04-004/17:28:19.4		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-004/17:18:48.4
12598	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
12599	M1O	04-004/17:29:25.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-004/17:19:54.2
12600	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
12601	M1O	04-004/17:29:27.2		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-004/17:19:56.2
12602	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
12603	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
12604	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
12605	M1O	04-004/17:43:15.3		NOTE: Enter Solar Eclipse 9125		04-004/17:33:44.2
12606	M1O	04-004/17:44:20.1		NOTE: Ascending Node Crossing 9125		04-004/17:34:49.0
12607	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
12608	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
12609	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
12610	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
12611	M1O	04-004/18:04:02.8		NOTE: Exit Solar Eclipse 9125		04-004/17:54:31.7
12612	M1O	04-004/18:04:19.0		SPAWN, Engine = 65535, Parameters = 3, 00:32:15.921, 1	dpt	04-004/17:54:47.8
12613	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
12614	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		
12615	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
12616	M1O	04-004/18:05:22.1		NOTE: ENTER HGA KEEP OUT ZONE		
12617	M1O	04-004/18:05:22.1	63	NOTE: Loss Of X-Band Signal		
12618	M1O	04-004/18:12:29.8		NOTE: Enter Planetary Atmosphere 9125		04-004/18:02:58.6
12619	M1O	04-004/18:14:09.3		NOTE: Enter Earth Occultation 9125		04-004/18:04:38.1
12620	M1O	04-004/18:14:17.5		NOTE: North Pole Crossing 9125		04-004/18:04:46.3
12621	M1O	04-004/18:16:30.1		NOTE: Apoapsis 9125 -		04-004/18:06:58.9
12622	M1O	04-004/18:24:02.2		NOTE: EXIT HGA KEEP OUT ZONE		
12623	M1O	04-004/18:31:37.0		NOTE: Exit Earth Occultation 9125		04-004/18:22:05.8
12624	M1O	04-004/18:31:37.0	63	Acquisition Of X-Band Signal		
12625	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		
12626	M1O	04-004/18:33:17.6		NOTE: Exit Planetary Atmosphere 9125		04-004/18:23:46.3
12627	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
12628	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12629	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
12630	M1O	04-004/18:44:19.0		NOTE: Descending Node Crossing 9126		04-004/18:34:47.7
12631	M1O	04-004/19:00:00.0	26	Begin Pre-Cal		
12632	M1O	04-004/19:00:00.0	26	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
12633	M1O	04-004/19:00:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
12634	M1O	04-004/19:00:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
12635	M1O	04-004/19:00:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
12636	M1O	04-004/19:00:00.0	26	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
12637	M1O	04-004/19:00:00.0	26	Config: RCV: Parms:		
12638	M1O	04-004/19:00:00.0	26	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
12639	M1O	04-004/19:00:00.0	26	Config: TGC: BAND=X, SR=221200.000000		
12640	M1O	04-004/19:00:00.0	26	Config: TXL		
12641	M1O	04-004/19:00:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
12642	M1O	04-004/19:00:00.0	26	Config: CMD		
12643	M1O	04-004/19:00:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
12644	M1O	04-004/19:13:39.8		NOTE: South Pole Crossing 9126		04-004/19:04:08.4
12645	M1O	04-004/19:15:07.1		NOTE: Periapsis 9126 ----------		04-004/19:05:35.7
12646	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
12647	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
12648	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		
12649	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
12650	M1O	04-004/19:23:44.5		CALL, Engine = , Parameters = 254	get_cmd_opt	04-004/19:14:13.1
12651	M1O	04-004/19:23:44.8		CALL, Engine = , Parameters = 004, 04, 254	bld_autosw	04-004/19:14:13.4
12652	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
12653	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
12654	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
12655	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
12656	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
12657	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
12658	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
12659	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
12660	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
12661	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
12662	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
12663	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
12664	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
12665	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
12666	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
12667	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
12668	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
12669	M1O	04-004/19:24:03.8		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-004/19:14:32.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_doy004_pass04_file09.dat, d:/dat/autoswitch.dat		
12670	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
12671	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
12672	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
12673	M1O	04-004/19:24:08.0		Appends the source_path file onto the end of the target_path file.: d:/dat/254_doy004_pass04_file11.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-004/19:14:36.6
12674	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
12675	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
12676	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
12677	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
12678	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
12679	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
12680	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
12681	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
12682	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
12683	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
12684	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
12685	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
12686	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
12687	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
12688	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
12689	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
12690	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
12691	M1O	04-004/19:24:26.8		CALL, Engine = , Parameters = 254	get_apid	04-004/19:14:55.4
12692	M1O	04-004/19:24:27.9		CALL, Engine = , Parameters = 254	get_rcv_mode	04-004/19:14:56.5
12693	M1O	04-004/19:24:28.1		CALL, Engine = , Parameters = 254	get_dl_rate	04-004/19:14:56.7
12694	M1O	04-004/19:24:29.2		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-004/19:14:57.8
12695	M1O	04-004/19:24:30.5		CALL, Engine = , Parameters = 254	get_coding	04-004/19:14:59.1
12696	M1O	04-004/19:24:31.7		CALL, Engine = , Parameters = 254	get_xmt_mode	04-004/19:15:00.3
12697	M1O	04-004/19:24:32.9		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-004/19:15:01.5
12698	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
12699	M1O	04-004/19:25:38.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-004/19:16:07.3
12700	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
12701	M1O	04-004/19:25:40.7		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-004/19:16:09.3
12702	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
12703	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
12704	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
12705	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
12706	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
12707	M1O	04-004/19:41:51.2		NOTE: Enter Solar Eclipse 9126		04-004/19:32:19.8
12708	M1O	04-004/19:42:56.7		NOTE: Ascending Node Crossing 9126		04-004/19:33:25.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12709	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
12710	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
12711	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
12712	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
12713	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
12714	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		
12715	M1O	04-004/19:43:50.8		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-004/19:34:19.4
12716	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
12717	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		
12718	M1O	04-004/20:00:00.0	26	Begin Tracking		
12719	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		
12720	M1O	04-004/20:02:37.8		NOTE: Exit Solar Eclipse 9126		04-004/19:53:06.3
12721	M1O	04-004/20:02:56.5		SPAWN, Engine = 65535, Parameters = 3, 00:36:04.078, 1	dpt	04-004/19:53:25.0
12722	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
12723	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		
12724	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		
12725	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
12726	M1O	04-004/20:03:58.5		NOTE: ENTER HGA KEEP OUT ZONE		
12727	M1O	04-004/20:03:58.5	63	NOTE: Loss Of X-Band Signal		
12728	M1O	04-004/20:03:58.5	26	NOTE: Loss Of X-Band Signal		
12729	M1O	04-004/20:11:07.4		NOTE: Enter Planetary Atmosphere 9126		04-004/20:01:35.8
12730	M1O	04-004/20:12:20.0	26	NOTE: Above Uplink Interlock Limit		
12731	M1O	04-004/20:12:47.0		NOTE: Enter Earth Occultation 9126		04-004/20:03:15.4
12732	M1O	04-004/20:12:54.3		NOTE: North Pole Crossing 9126		04-004/20:03:22.7
12733	M1O	04-004/20:14:55.3		NOTE: Apoapsis 9126 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
12750	M1O	04-004/20:42:55.9		NOTE: Descending Node Crossing 9127		04-004/20:33:24.2
12751	M1O	04-004/21:12:16.7		NOTE: South Pole Crossing 9127		04-004/21:02:44.9
12752	M1O	04-004/21:13:39.5		NOTE: Periapsis 9127 ----------		04-004/21:04:07.7
12753	M1O	04-004/21:28:31.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
12754	M1O	04-004/21:38:31.0	26	Range Modulation Off		
12755	M1O	04-004/21:40:28.1		NOTE: Enter Solar Eclipse 9127		04-004/21:30:56.2
12756	M1O	04-004/21:41:33.6		NOTE: Ascending Node Crossing 9127		04-004/21:32:01.7
12757	M1O	04-004/21:43:31.0	26	X-Band Transmitter Off		
12758	M1O	04-004/22:01:16.1		NOTE: Exit Solar Eclipse 9127		04-004/21:51:44.2
12759	M1O	04-004/22:01:31.9		SPAWN, Engine = 65535, Parameters = 3, 00:32:50, 1	dpt	04-004/21:52:00.0
12760	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
12761	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		
12762	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		
12763	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
12764	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		
12765	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		
12766	M1O	04-004/22:02:35.9		NOTE: ENTER HGA KEEP OUT ZONE		
12767	M1O	04-004/22:02:35.9	63	NOTE: Loss Of X-Band Signal		
12768	M1O	04-004/22:02:35.9	26	NOTE: Loss Of X-Band Signal		
12769	M1O	04-004/22:09:39.5		NOTE: Enter Planetary Atmosphere 9127		04-004/22:00:07.5
12770	M1O	04-004/22:10:21.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12771	M1O	04-004/22:11:18.5		NOTE: Enter Earth Occultation 9127		04-004/22:01:46.5
12772	M1O	04-004/22:11:30.3		NOTE: North Pole Crossing 9127		04-004/22:01:58.4
12773	M1O	04-004/22:13:19.1		NOTE: Apoapsis 9127 -		04-004/22:03:47.1
12774	M1O	04-004/22:15:21.0	26	Range Modulation On: SUP=3.0dB		
12775	M1O	04-004/22:16:21.0	26	Begin Ranging Acquisition		
12776	M1O	04-004/22:20:55.9		NOTE: EXIT HGA KEEP OUT ZONE		
12777	M1O	04-004/22:28:52.0		NOTE: Exit Earth Occultation 9127		04-004/22:19:20.0
12778	M1O	04-004/22:28:52.0	63	Acquisition Of X-Band Signal		
12779	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		
12780	M1O	04-004/22:28:52.0	26	Acquisition Of X-Band Signal		
12781	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		
12782	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		
12783	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		
12784	M1O	04-004/22:30:32.0		NOTE: Exit Planetary Atmosphere 9127		04-004/22:21:00.0
12785	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
12786	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		
12787	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		
12788	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
12789	M1O	04-004/22:41:30.8		NOTE: Descending Node Crossing 9128		04-004/22:31:58.7
12790	M1O	04-004/23:10:51.5		NOTE: South Pole Crossing 9128		04-004/23:01:19.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12791	M1O	04-004/23:12:17.1		NOTE: Periapsis 9128 ----------		04-004/23:02:45.0
12792	M1O	04-004/23:26:34.0	63	NOTE: Below Uplink Interlock Limit		
12793	M1O	04-004/23:27:05.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
12794	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
12795	M1O	04-004/23:33:42.6		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-004/23:24:10.5
12796	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		
12797	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		
12798	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
12799	M1O	04-004/23:33:45.2		CALL, Engine = , Parameters = 56	get_cmd_opt	04-004/23:24:13.1
12800	M1O	04-004/23:33:45.5		CALL, Engine = , Parameters = 004, 03, 056	bld_autosw	04-004/23:24:13.4
12801	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
12802	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
12803	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
12804	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
12805	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
12806	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
12807	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
12808	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
12809	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
12810	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
12811	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
12812	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
12813	M1O	04-004/23:33:59.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-004/23:24:26.8
12814	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
12815	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
12816	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
12817	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
12818	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
12819	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
12820	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
12821	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
12822	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
12823	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
12824	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
12825	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
12826	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12827	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
12828	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
12829	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
12830	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
12831	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
12832	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
12833	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
12834	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
12835	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
12836	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
12837	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
12838	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
12839	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
12840	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
12841	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
12842	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
12843	M1O	04-004/23:34:27.6		CALL, Engine = , Parameters = 56	get_apid	04-004/23:24:55.4
12844	M1O	04-004/23:34:28.7		CALL, Engine = , Parameters = 56	get_rcv_mode	04-004/23:24:56.5
12845	M1O	04-004/23:34:28.9		CALL, Engine = , Parameters = 56	get_dl_rate	04-004/23:24:56.7
12846	M1O	04-004/23:34:30.0		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-004/23:24:57.8
12847	M1O	04-004/23:34:31.2		CALL, Engine = , Parameters = 56	get_coding	04-004/23:24:59.0
12848	M1O	04-004/23:34:32.4		CALL, Engine = , Parameters = 56	get_xmt_mode	04-004/23:25:00.2
12849	M1O	04-004/23:34:33.6		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-004/23:25:01.4
12850	M1O	04-004/23:35:00.0	63	End Tracking		
12851	M1O	04-004/23:35:01.0		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-004/23:25:28.8
12852	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
12853	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		
12854	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
12855	M1O	04-004/23:35:39.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-004/23:26:07.2
12856	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
12857	M1O	04-004/23:35:41.4		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-004/23:26:09.2
12858	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
12859	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
12860	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
12861	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
12862	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
12863	M1O	04-004/23:37:05.0	26	Range Modulation Off		
12864	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
12865	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12866	M1O	04-004/23:39:02.3		NOTE: Enter Solar Eclipse 9128		04-004/23:29:30.0
12867	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
12868	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		
12869	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
12870	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		
12871	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
12872	M1O	04-004/23:40:08.3		NOTE: Ascending Node Crossing 9128		04-004/23:30:36.1
12873	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
12874	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
12875	M1O	04-004/23:42:05.0	26	X-Band Transmitter Off		
12876	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
12877	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
12878	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
12879	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
12880	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
12881	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
12882	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
12883	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
12884	M1O	04-004/23:50:00.0	63	End Post-Cal		
12885	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
12886	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
12887	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
12888	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
12889	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
12890	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
12891	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
12892	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
12893	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
12894	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		
12895	M1O	04-004/23:53:47.4		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-004/23:44:15.1
12896	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
12897	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		
12898	M1O	04-004/23:59:53.8		NOTE: Exit Solar Eclipse 9128		04-004/23:50:21.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12899	M1O	04-005/00:00:00.0		Light Time: OWLT = 09:32, RTLT = 19:04		
12900	M1O	04-005/00:00:05.2		SPAWN, Engine = 65535, Parameters = 3, 00:32:52.231, 1	dpt	04-004/23:50:32.9
12901	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
12902	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		
12903	M1O	04-005/00:00:08.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-004/23:50:36.0
12904	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		
12905	M1O	04-005/00:01:10.2		NOTE: ENTER HGA KEEP OUT ZONE		
12906	M1O	04-005/00:01:10.2	26	NOTE: Loss Of X-Band Signal		
12907	M1O	04-005/00:08:07.7		NOTE: Enter Planetary Atmosphere 9128		04-004/23:58:35.4
12908	M1O	04-005/00:08:55.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
12909	M1O	04-005/00:09:46.0		NOTE: Enter Earth Occultation 9128		04-005/00:00:13.7
12910	M1O	04-005/00:10:03.9		NOTE: North Pole Crossing 9128		04-005/00:00:31.6
12911	M1O	04-005/00:12:02.3		NOTE: Apoapsis 9128 -		04-005/00:02:30.0
12912	M1O	04-005/00:13:55.0	26	Range Modulation On: SUP=3.0dB		
12913	M1O	04-005/00:14:55.0	26	Begin Ranging Acquisition		
12914	M1O	04-005/00:19:30.3		NOTE: EXIT HGA KEEP OUT ZONE		
12915	M1O	04-005/00:27:28.1		NOTE: Exit Earth Occultation 9128		04-005/00:17:55.7
12916	M1O	04-005/00:27:28.1	26	Acquisition Of X-Band Signal		
12917	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		
12918	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		
12919	M1O	04-005/00:29:07.4		NOTE: Exit Planetary Atmosphere 9128		04-005/00:19:35.0
12920	M1O	04-005/00:29:40.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
12921	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
12922	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		
12923	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
12924	M1O	04-005/00:39:40.0	26	Range Modulation Off		
12925	M1O	04-005/00:40:03.3		NOTE: Descending Node Crossing 9129		04-005/00:30:30.9
12926	M1O	04-005/00:44:40.0	26	X-Band Transmitter Off		
12927	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
12928	M1O	04-005/00:53:03.5		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-005/00:43:31.1
12929	M1O	04-005/00:53:04.5		Forces a desaturation of the reaction wheels.	RW_DESAT	04-005/00:43:32.1
12930	M1O	04-005/00:55:34.4		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-005/00:46:02.0
12931	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
12932	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
12933	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
12934	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
12935	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
12936	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
12937	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
12938	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		
12939	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
12940	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
12941	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
12942	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
12943	M1O	04-005/01:03:13.2	26	D/L RF Warning: SC antenna change - expect signal level variation		
12944	M1O	04-005/01:03:14.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-005/00:53:41.8
12945	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		
12946	M1O	04-005/01:04:34.5		CALL, Engine = , Parameters = FALSE	park_hga	04-005/00:55:02.1
12947	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
12948	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
12949	M1O	04-005/01:04:36.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-005/00:55:04.1
12950	M1O	04-005/01:04:36.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-005/00:55:04.1
12951	M1O	04-005/01:04:36.5		NOTE: START HGA PARK		
12952	M1O	04-005/01:04:36.5	26	NOTE: Loss Of X-Band Signal		
12953	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
12954	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
12955	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
12956	M1O	04-005/01:09:23.4		NOTE: South Pole Crossing 9129		04-005/00:59:50.9
12957	M1O	04-005/01:10:49.1		NOTE: Periapsis 9129 ----------		04-005/01:01:16.6
12958	M1O	04-005/01:12:38.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-005/01:03:06.1
12959	M1O	04-005/01:12:38.6		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-005/01:03:06.1
12960	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
12961	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
12962	M1O	04-005/01:32:01.6		CALL, Engine = , Parameters = 56	get_cmd_opt	04-005/01:22:29.1
12963	M1O	04-005/01:32:01.9		CALL, Engine = , Parameters = 005, 01, 056	bld_autosw	04-005/01:22:29.4
12964	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
12965	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
12966	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
12967	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
12968	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
12969	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
12970	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
12971	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
12972	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
12973	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
12974	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
12975	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
12976	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
12977	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
12978	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
12979	M1O	04-005/01:32:18.8		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-005/01:22:46.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy005_pass01_file08.dat, d:/dat/autoswitch.dat		
12980	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
12981	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
12982	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
12983	M1O	04-005/01:32:23.0		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass01_file10.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/01:22:50.5
12984	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
12985	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
12986	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
12987	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
12988	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
12989	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
12990	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
12991	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
12992	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
12993	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
12994	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
12995	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
12996	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
12997	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
12998	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
12999	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
13000	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
13001	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
13002	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
13003	M1O	04-005/01:32:43.9		CALL, Engine = , Parameters = 56	get_apid	04-005/01:23:11.4
13004	M1O	04-005/01:32:45.0		CALL, Engine = , Parameters = 56	get_rcv_mode	04-005/01:23:12.5
13005	M1O	04-005/01:32:45.2		CALL, Engine = , Parameters = 56	get_dl_rate	04-005/01:23:12.7
13006	M1O	04-005/01:32:46.3		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-005/01:23:13.8
13007	M1O	04-005/01:32:47.5		CALL, Engine = , Parameters = 56	get_coding	04-005/01:23:15.0
13008	M1O	04-005/01:32:48.7		CALL, Engine = , Parameters = 56	get_xmt_mode	04-005/01:23:16.2
13009	M1O	04-005/01:32:49.9		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-005/01:23:17.4
13010	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
13011	M1O	04-005/01:33:55.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-005/01:24:23.2
13012	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
13013	M1O	04-005/01:33:57.7		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-005/01:24:25.2
13014	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
13015	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
13016	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
13017	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
13018	M1O	04-005/01:35:00.7		Controls the type of data (none, fill, or lander telemetry) input into the downlink data	DOWNLINK_MODE	04-005/01:25:28.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				stream.: RELAY_CMD		
13019	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
13020	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
13021	M1O	04-005/01:37:33.1		NOTE: Enter Solar Eclipse 9129		04-005/01:28:00.5
13022	M1O	04-005/01:38:39.8		NOTE: Ascending Node Crossing 9129		04-005/01:29:07.2
13023	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
13024	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
13025	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
13026	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
13027	M1O	04-005/01:42:38.5		GV: GV_DESAT_ACTIVE = 1		04-005/01:33:06.0
13028	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
13029	M1O	04-005/01:42:39.5		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-005/01:33:07.0
13030	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
13031	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
13032	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
13033	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
13034	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
13035	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
13036	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
13037	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
13038	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
13039	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
13040	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
13041	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
13042	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
13043	M1O	04-005/01:50:18.7		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-005/01:40:46.1
13044	M1O	04-005/01:52:38.6		GV: GV_DESAT_ACTIVE = 0		04-005/01:43:06.0
13045	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
13046	M1O	04-005/01:52:40.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-005/01:43:08.0
13047	M1O	04-005/01:52:41.6		CALL, Engine = , Parameters =	unpark_hga	04-005/01:43:09.0
13048	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
13049	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
13050	M1O	04-005/01:57:12.6		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS,	FSW_OBJ_INITIAL	04-005/01:47:40.0

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				d:/cfg/sam_ga_hga_vts.cfg,		
13051	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
13052	M1O	04-005/01:58:25.8		NOTE: Exit Solar Eclipse 9129		04-005/01:48:53.2
13053	M1O	04-005/01:59:43.6		NOTE: ENTER HGA KEEP OUT ZONE		
13054	M1O	04-005/02:01:13.6		NOTE: EXIT HGA PARK		
13055	M1O	04-005/02:06:37.9		NOTE: Enter Planetary Atmosphere 9129		04-005/01:57:05.2
13056	M1O	04-005/02:07:26.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13057	M1O	04-005/02:08:16.1		NOTE: Enter Earth Occultation 9129		04-005/01:58:43.4
13058	M1O	04-005/02:08:35.4		NOTE: North Pole Crossing 9129		04-005/01:59:02.7
13059	M1O	04-005/02:10:36.8		NOTE: Apoapsis 9129 -		04-005/02:01:04.1
13060	M1O	04-005/02:12:26.0	26	Range Modulation On: SUP=3.0dB		
13061	M1O	04-005/02:13:26.0	26	Begin Ranging Acquisition		
13062	M1O	04-005/02:18:23.7		NOTE: EXIT HGA KEEP OUT ZONE		
13063	M1O	04-005/02:25:34.6		SPAWN, Engine = 65535, Parameters = 00:05:31.233	cstr	04-005/02:16:01.9
13064	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
13065	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
13066	M1O	04-005/02:25:36.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-005/02:16:04.0
13067	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
13068	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
13069	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
13070	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
13071	M1O	04-005/02:25:59.6		NOTE: Exit Earth Occultation 9129		04-005/02:16:26.9
13072	M1O	04-005/02:25:59.6	26	Acquisition Of X-Band Signal		
13073	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		
13074	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		
13075	M1O	04-005/02:27:38.9		NOTE: Exit Planetary Atmosphere 9129		04-005/02:18:06.2
13076	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
13077	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
13078	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		
13079	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
13080	M1O	04-005/02:38:34.8		NOTE: Descending Node Crossing 9130		04-005/02:29:02.0
13081	M1O	04-005/03:07:54.1		NOTE: South Pole Crossing 9130		04-005/02:58:21.2
13082	M1O	04-005/03:09:02.6		NOTE: Periapsis 9130 ----------		04-005/02:59:29.8
13083	M1O	04-005/03:23:48.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
13084	M1O	04-005/03:33:48.0	26	Range Modulation Off		
13085	M1O	04-005/03:36:04.9		NOTE: Enter Solar Eclipse 9130		04-005/03:26:32.0
13086	M1O	04-005/03:37:10.4		NOTE: Ascending Node Crossing 9130		04-005/03:27:37.4
13087	M1O	04-005/03:38:48.0	26	X-Band Transmitter Off		
13088	M1O	04-005/03:56:51.2		SPAWN, Engine = 65535, Parameters = 3, 00:33:06, 1	dpt	04-005/03:47:18.1
13089	M1O	04-005/03:56:51.6		NOTE: Exit Solar Eclipse 9130		04-005/03:47:18.6
13090	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
13091	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		
13092	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
13093	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		
13094	M1O	04-005/03:57:55.0		NOTE: ENTER HGA KEEP OUT ZONE		
13095	M1O	04-005/03:57:55.0	26	NOTE: Loss Of X-Band Signal		
13096	M1O	04-005/04:05:15.8		NOTE: Enter Planetary Atmosphere 9130		04-005/03:55:42.7

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13097	M1O	04-005/04:05:54.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13098	M1O	04-005/04:06:54.9		NOTE: Enter Earth Occultation 9130		04-005/03:57:21.8
13099	M1O	04-005/04:07:07.3		NOTE: North Pole Crossing 9130		04-005/03:57:34.3
13100	M1O	04-005/04:08:47.9		NOTE: Apoapsis 9130 -		04-005/03:59:14.9
13101	M1O	04-005/04:10:54.0	26	Range Modulation On: SUP=3.0dB		
13102	M1O	04-005/04:11:54.0	26	Begin Ranging Acquisition		
13103	M1O	04-005/04:16:35.0		NOTE: EXIT HGA KEEP OUT ZONE		
13104	M1O	04-005/04:24:27.3		NOTE: Exit Earth Occultation 9130		04-005/04:14:54.2
13105	M1O	04-005/04:24:27.3	26	Acquisition Of X-Band Signal		
13106	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		
13107	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		
13108	M1O	04-005/04:26:07.5		NOTE: Exit Planetary Atmosphere 9130		04-005/04:16:34.4
13109	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
13110	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		
13111	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
13112	M1O	04-005/04:37:07.7		NOTE: Descending Node Crossing 9131		04-005/04:27:34.6
13113	M1O	04-005/05:06:28.0		NOTE: South Pole Crossing 9131		04-005/04:56:54.8
13114	M1O	04-005/05:07:29.3		NOTE: Periapsis 9131 ----------		04-005/04:57:56.1
13115	M1O	04-005/05:22:40.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
13116	M1O	04-005/05:32:40.0	26	Range Modulation Off		
13117	M1O	04-005/05:34:41.9		NOTE: Enter Solar Eclipse 9131		04-005/05:25:08.6
13118	M1O	04-005/05:35:45.5		NOTE: Ascending Node Crossing 9131		04-005/05:26:12.2
13119	M1O	04-005/05:37:40.0	26	X-Band Transmitter Off		
13120	M1O	04-005/05:55:22.6		NOTE: Exit Solar Eclipse 9131		04-005/05:45:49.2
13121	M1O	04-005/05:55:43.5		SPAWN, Engine = 65535, Parameters = 3, 00:32:45.115, 1	dpt	04-005/05:46:10.1
13122	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
13123	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		
13124	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
13125	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		
13126	M1O	04-005/05:56:47.3		NOTE: ENTER HGA KEEP OUT ZONE		
13127	M1O	04-005/05:56:47.3	26	NOTE: Loss Of X-Band Signal		
13128	M1O	04-005/06:03:55.4		NOTE: Enter Planetary Atmosphere 9131		04-005/05:54:22.0
13129	M1O	04-005/06:04:24.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13130	M1O	04-005/06:05:35.2		NOTE: Enter Earth Occultation 9131		04-005/05:56:01.8
13131	M1O	04-005/06:05:42.6		NOTE: North Pole Crossing 9131		04-005/05:56:09.2
13132	M1O	04-005/06:07:25.3		NOTE: Apoapsis 9131 -		04-005/05:57:51.9
13133	M1O	04-005/06:09:24.0	26	Range Modulation On: SUP=3.0dB		
13134	M1O	04-005/06:10:24.0	26	Begin Ranging Acquisition		
13135	M1O	04-005/06:15:00.0	43	Begin Pre-Cal		
13136	M1O	04-005/06:15:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
13137	M1O	04-005/06:15:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
13138	M1O	04-005/06:15:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
13139	M1O	04-005/06:15:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
13140	M1O	04-005/06:15:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
13141	M1O	04-005/06:15:00.0	43	Config: RCV: Parms:		
13142	M1O	04-005/06:15:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
13143	M1O	04-005/06:15:00.0	43	Config: TGC: BAND=X, SR=79632.000000		
13144	M1O	04-005/06:15:00.0	43	Config: TXL		
13145	M1O	04-005/06:15:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
13146	M1O	04-005/06:15:00.0	43	Config: CMD		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13147	M1O	04-005/06:15:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
13148	M1O	04-005/06:15:07.4		NOTE: EXIT HGA KEEP OUT ZONE		
13149	M1O	04-005/06:22:58.5		NOTE: Exit Earth Occultation 9131		04-005/06:13:25.0
13150	M1O	04-005/06:22:58.5	26	Acquisition Of X-Band Signal		
13151	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		
13152	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		
13153	M1O	04-005/06:24:39.4		NOTE: Exit Planetary Atmosphere 9131		04-005/06:15:06.0
13154	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
13155	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
13156	M1O	04-005/06:26:11.5		CALL, Engine = , Parameters = 254	get_cmd_opt	04-005/06:16:38.1
13157	M1O	04-005/06:26:11.8		CALL, Engine = , Parameters = 005, 01, 254	bld_autosw	04-005/06:16:38.4
13158	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
13159	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
13160	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
13161	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
13162	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
13163	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
13164	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
13165	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
13166	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
13167	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
13168	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
13169	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
13170	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
13171	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
13172	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
13173	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
13174	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
13175	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
13176	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
13177	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
13178	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
13179	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
13180	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
13181	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
13182	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
13183	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
13184	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13185	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
13186	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
13187	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
13188	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
13189	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
13190	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
13191	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
13192	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
13193	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
13194	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
13195	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
13196	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
13197	M1O	04-005/06:26:53.8		CALL, Engine = , Parameters = 254	get_apid	04-005/06:17:20.4
13198	M1O	04-005/06:26:54.9		CALL, Engine = , Parameters = 254	get_rcv_mode	04-005/06:17:21.5
13199	M1O	04-005/06:26:55.1		CALL, Engine = , Parameters = 254	get_dl_rate	04-005/06:17:21.7
13200	M1O	04-005/06:26:56.2		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-005/06:17:22.8
13201	M1O	04-005/06:26:57.5		CALL, Engine = , Parameters = 254	get_coding	04-005/06:17:24.1
13202	M1O	04-005/06:26:58.7		CALL, Engine = , Parameters = 254	get_xmt_mode	04-005/06:17:25.3
13203	M1O	04-005/06:26:59.9		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-005/06:17:26.5
13204	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
13205	M1O	04-005/06:28:05.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-005/06:18:32.3
13206	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
13207	M1O	04-005/06:28:07.7		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-005/06:18:34.3
13208	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
13209	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
13210	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
13211	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
13212	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		
13213	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
13214	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		
13215	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
13216	M1O	04-005/06:30:00.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
13217	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
13218	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
13219	M1O	04-005/06:35:43.2		NOTE: Descending Node Crossing 9132		04-005/06:26:09.7
13220	M1O	04-005/06:40:00.0	26	Range Modulation Off		
13221	M1O	04-005/06:45:00.0	26	X-Band Transmitter Off		
13222	M1O	04-005/06:45:52.8	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
13223	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
13224	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13225	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
13226	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
13227	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
13228	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		
13229	M1O	04-005/06:47:13.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-005/06:37:40.4
13230	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
13231	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		
13232	M1O	04-005/06:55:56.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-005/06:46:23.0
13233	M1O	04-005/06:56:08.0	26	NOTE: Below Uplink Interlock Limit		
13234	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
13235	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
13236	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
13237	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
13238	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
13239	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
13240	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
13241	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		
13242	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
13243	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		
13244	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
13245	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
13246	M1O	04-005/07:03:35.3	26	D/L RF Warning: SC antenna change - expect signal level variation		
13247	M1O	04-005/07:03:36.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-005/06:54:02.8
13248	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		
13249	M1O	04-005/07:05:00.0	26	End Tracking		
13250	M1O	04-005/07:05:04.8		NOTE: South Pole Crossing 9132		04-005/06:55:31.2
13251	M1O	04-005/07:06:28.5		NOTE: Periapsis 9132 ----------		04-005/06:56:54.9
13252	M1O	04-005/07:09:33.6		SPAWN, Engine = 65535, Parameters =	scdiag	04-005/07:00:00.0
13253	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
13254	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
13255	M1O	04-005/07:10:36.6		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-005/07:01:03.0
13256	M1O	04-005/07:10:36.8		NOTE: Start Block fsw_diag		04-005/07:01:03.2
13257	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
13258	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
13259	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13260	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
13261	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
13262	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
13263	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
13264	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
13265	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
13266	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
13267	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
13268	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
13269	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
13270	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
13271	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
13272	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
13273	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
13274	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
13275	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
13276	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
13277	M1O	04-005/07:13:47.8		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-005/07:04:14.2
13278	M1O	04-005/07:13:58.8		NOTE: End Block fsw_diag.mod		04-005/07:04:25.2
13279	M1O	04-005/07:14:35.2		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-005/07:05:01.5
13280	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
13281	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
13282	M1O	04-005/07:14:37.3		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-005/07:05:03.6
13283	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
13284	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
13285	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
13286	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
13287	M1O	04-005/07:15:00.0	43	Begin Tracking		
13288	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		
13289	M1O	04-005/07:15:00.2		NOTE: Changing to 70M downlink rate: 110600_BPS		04-005/07:05:26.5
13290	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
13291	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		
13292	M1O	04-005/07:16:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13293	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
13294	M1O	04-005/07:20:00.0	26	End Post-Cal		
13295	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
13296	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		
13297	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
13298	M1O	04-005/07:21:00.0	43	Range Modulation On: SUP=3.0dB		
13299	M1O	04-005/07:21:14.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
13300	M1O	04-005/07:22:00.0	43	Begin Ranging Acquisition		
13301	M1O	04-005/07:31:14.0	43	Range Modulation Off		
13302	M1O	04-005/07:33:18.6		NOTE: Enter Solar Eclipse 9132		04-005/07:23:44.9
13303	M1O	04-005/07:34:04.9		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-005/07:24:31.3
13304	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
13305	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		
13306	M1O	04-005/07:34:08.0		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-005/07:24:34.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
13307	M1O	04-005/07:34:22.8		NOTE: Ascending Node Crossing 9132		04-005/07:24:49.2
13308	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		
13309	M1O	04-005/07:36:14.0	43	X-Band Transmitter Off		
13310	M1O	04-005/07:40:07.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-005/07:30:33.4
13311	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		
13312	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
13313	M1O	04-005/07:53:58.9		NOTE: Exit Solar Eclipse 9132		04-005/07:44:25.1
13314	M1O	04-005/07:54:19.0		SPAWN, Engine = 65535, Parameters = 3, 00:32:43, 1	dpt	04-005/07:44:45.3
13315	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
13316	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		
13317	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
13318	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		
13319	M1O	04-005/07:55:22.7		NOTE: ENTER HGA KEEP OUT ZONE		
13320	M1O	04-005/07:55:22.7	43	NOTE: Loss Of X-Band Signal		
13321	M1O	04-005/08:02:32.7		NOTE: Enter Planetary Atmosphere 9132		04-005/07:52:58.9
13322	M1O	04-005/08:02:57.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13323	M1O	04-005/08:04:12.8		NOTE: Enter Earth Occultation 9132		04-005/07:54:39.1
13324	M1O	04-005/08:04:19.4		NOTE: North Pole Crossing 9132		04-005/07:54:45.6
13325	M1O	04-005/08:06:33.1		NOTE: Apoapsis 9132 -		04-005/07:56:59.3
13326	M1O	04-005/08:07:57.0	43	Range Modulation On: SUP=3.0dB		
13327	M1O	04-005/08:08:57.0	43	Begin Ranging Acquisition		
13328	M1O	04-005/08:13:42.8		NOTE: EXIT HGA KEEP OUT ZONE		
13329	M1O	04-005/08:21:32.8		NOTE: Exit Earth Occultation 9132		04-005/08:11:59.0
13330	M1O	04-005/08:21:32.8	43	Acquisition Of X-Band Signal		
13331	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		
13332	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		
13333	M1O	04-005/08:23:14.0		NOTE: Exit Planetary Atmosphere 9132		04-005/08:13:40.1
13334	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
13335	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
13336	M1O	04-005/08:26:56.9		CALL, Engine = , Parameters = 254	get_cmd_opt	04-005/08:17:23.1
13337	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
13338	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		
13339	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
13340	M1O	04-005/08:27:39.1		CALL, Engine = , Parameters = 254	get_apid	04-005/08:18:05.3
13341	M1O	04-005/08:27:40.2		CALL, Engine = , Parameters = 254	get_rcv_mode	04-005/08:18:06.4
13342	M1O	04-005/08:27:40.4		CALL, Engine = , Parameters = 254	get_dl_rate	04-005/08:18:06.6
13343	M1O	04-005/08:27:41.5		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-005/08:18:07.7
13344	M1O	04-005/08:27:42.8		CALL, Engine = , Parameters = 254	get_coding	04-005/08:18:09.0
13345	M1O	04-005/08:27:44.0		CALL, Engine = , Parameters = 254	get_xmt_mode	04-005/08:18:10.2
13346	M1O	04-005/08:27:45.2		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-005/08:18:11.4
13347	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13348	M1O	04-005/08:28:51.0		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-005/08:19:17.2
13349	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
13350	M1O	04-005/08:28:53.0		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-005/08:19:19.2
13351	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
13352	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
13353	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
13354	M1O	04-005/08:34:20.0		NOTE: Descending Node Crossing 9133		04-005/08:24:46.2
13355	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
13356	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
13357	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
13358	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
13359	M1O	04-005/09:03:41.9		NOTE: South Pole Crossing 9133		04-005/08:54:08.0
13360	M1O	04-005/09:05:28.8		NOTE: Periapsis 9133 ----------		04-005/08:55:54.9
13361	M1O	04-005/09:19:51.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
13362	M1O	04-005/09:29:51.0	43	Range Modulation Off		
13363	M1O	04-005/09:31:53.2		NOTE: Enter Solar Eclipse 9133		04-005/09:22:19.1
13364	M1O	04-005/09:32:59.5		NOTE: Ascending Node Crossing 9133		04-005/09:23:25.4
13365	M1O	04-005/09:34:51.0	43	X-Band Transmitter Off		
13366	M1O	04-005/09:52:36.2		NOTE: Exit Solar Eclipse 9133		04-005/09:43:02.1
13367	M1O	04-005/09:52:56.4		SPAWN, Engine = 65535, Parameters = 3, 00:32:42, 1	dpt	04-005/09:43:22.3
13368	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
13369	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		
13370	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
13371	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		
13372	M1O	04-005/09:54:00.1		NOTE: ENTER HGA KEEP OUT ZONE		
13373	M1O	04-005/09:54:00.1	43	NOTE: Loss Of X-Band Signal		
13374	M1O	04-005/10:01:07.7		NOTE: Enter Planetary Atmosphere 9133		04-005/09:51:33.6
13375	M1O	04-005/10:01:33.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13376	M1O	04-005/10:02:47.9		NOTE: Enter Earth Occultation 9133		04-005/09:53:13.7
13377	M1O	04-005/10:02:55.9		NOTE: North Pole Crossing 9133		04-005/09:53:21.7
13378	M1O	04-005/10:05:28.1		NOTE: Apoapsis 9133 -		04-005/09:55:54.0
13379	M1O	04-005/10:06:33.0	43	Range Modulation On: SUP=3.0dB		
13380	M1O	04-005/10:07:33.0	43	Begin Ranging Acquisition		
13381	M1O	04-005/10:12:20.1		NOTE: EXIT HGA KEEP OUT ZONE		
13382	M1O	04-005/10:20:09.1		NOTE: Exit Earth Occultation 9133		04-005/10:10:34.9
13383	M1O	04-005/10:20:09.1	43	Acquisition Of X-Band Signal		
13384	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		
13385	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		
13386	M1O	04-005/10:21:50.2		NOTE: Exit Planetary Atmosphere 9133		04-005/10:12:16.0
13387	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
13388	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		
13389	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
13390	M1O	04-005/10:32:56.7		NOTE: Descending Node Crossing 9134		04-005/10:23:22.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13391	M1O	04-005/11:00:00.0	55	Begin Pre-Cal		
13392	M1O	04-005/11:00:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
13393	M1O	04-005/11:00:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
13394	M1O	04-005/11:00:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
13395	M1O	04-005/11:00:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
13396	M1O	04-005/11:00:00.0	55	At BOT: S/C Tlm Mode: BR=0.0, FL=10112, SC=375KHZ, MI=71.7		
13397	M1O	04-005/11:00:00.0	55	Config: RCV: Parms:		
13398	M1O	04-005/11:00:00.0	55	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
13399	M1O	04-005/11:00:00.0	55	Config: TGC: BAND=X, SR=0.000000		
13400	M1O	04-005/11:00:00.0	55	Config: TXL		
13401	M1O	04-005/11:00:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
13402	M1O	04-005/11:00:00.0	55	Config: CMD		
13403	M1O	04-005/11:00:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
13404	M1O	04-005/11:02:17.7		NOTE: South Pole Crossing 9134		04-005/10:52:43.3
13405	M1O	04-005/11:04:09.4		NOTE: Periapsis 9134 ----------		04-005/10:54:35.1
13406	M1O	04-005/11:18:27.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
13407	M1O	04-005/11:28:27.0	43	Range Modulation Off		
13408	M1O	04-005/11:30:25.4		NOTE: Enter Solar Eclipse 9134		04-005/11:20:51.0
13409	M1O	04-005/11:31:33.9		NOTE: Ascending Node Crossing 9134		04-005/11:21:59.5
13410	M1O	04-005/11:33:27.0	43	X-Band Transmitter Off		
13411	M1O	04-005/11:51:12.6		NOTE: Exit Solar Eclipse 9134		04-005/11:41:38.1
13412	M1O	04-005/11:51:32.7		SPAWN, Engine = 65535, Parameters = 3, 00:32:43.117, 1	dpt	04-005/11:41:58.3
13413	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
13414	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		
13415	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
13416	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		
13417	M1O	04-005/11:52:36.4		NOTE: ENTER HGA KEEP OUT ZONE		
13418	M1O	04-005/11:52:36.4	43	NOTE: Loss Of X-Band Signal		
13419	M1O	04-005/11:59:38.6		NOTE: Enter Planetary Atmosphere 9134		04-005/11:50:04.1
13420	M1O	04-005/12:00:09.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13421	M1O	04-005/12:01:18.2		NOTE: Enter Earth Occultation 9134		04-005/11:51:43.7
13422	M1O	04-005/12:01:30.2		NOTE: North Pole Crossing 9134		04-005/11:51:55.7
13423	M1O	04-005/12:03:54.7		NOTE: Apoapsis 9134 -		04-005/11:54:20.2
13424	M1O	04-005/12:05:09.0	43	Range Modulation On: SUP=3.0dB		
13425	M1O	04-005/12:06:09.0	43	Begin Ranging Acquisition		
13426	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
13427	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
13428	M1O	04-005/12:09:56.6		CALL, Engine = , Parameters = 56	get_cmd_opt	04-005/12:00:22.1
13429	M1O	04-005/12:09:56.9		CALL, Engine = , Parameters = 005, 02, 056	bld_autosw	04-005/12:00:22.4
13430	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
13431	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
13432	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
13433	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
13434	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
13435	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

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13436	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
13437	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
13438	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
13439	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
13440	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
13441	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
13442	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
13443	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
13444	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
13445	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
13446	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
13447	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
13448	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
13449	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
13450	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
13451	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
13452	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
13453	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
13454	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
13455	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
13456	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
13457	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
13458	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
13459	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
13460	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
13461	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
13462	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
13463	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
13464	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
13465	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
13466	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
13467	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
13468	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
13469	M1O	04-005/12:10:38.9		CALL, Engine = , Parameters = 56	get_apid	04-005/12:01:04.4
13470	M1O	04-005/12:10:40.0		CALL, Engine = , Parameters = 56	get_rcv_mode	04-005/12:01:05.5
13471	M1O	04-005/12:10:40.2		CALL, Engine = , Parameters = 56	get_dl_rate	04-005/12:01:05.7
13472	M1O	04-005/12:10:41.3		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-005/12:01:06.8
13473	M1O	04-005/12:10:42.5		CALL, Engine = , Parameters = 56	get_coding	04-005/12:01:08.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13474	M1O	04-005/12:10:43.7		CALL, Engine = , Parameters = 56	get_xmt_mode	04-005/12:01:09.2
13475	M1O	04-005/12:10:44.9		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-005/12:01:10.4
13476	M1O	04-005/12:10:56.5		NOTE: EXIT HGA KEEP OUT ZONE		
13477	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
13478	M1O	04-005/12:11:50.7		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-005/12:02:16.2
13479	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
13480	M1O	04-005/12:11:52.7		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-005/12:02:18.2
13481	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
13482	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
13483	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
13484	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
13485	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
13486	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
13487	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
13488	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
13489	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
13490	M1O	04-005/12:18:45.8		NOTE: Exit Earth Occultation 9134		04-005/12:09:11.2
13491	M1O	04-005/12:18:45.8	43	Acquisition Of X-Band Signal		
13492	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		
13493	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
13494	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
13495	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		
13496	M1O	04-005/12:20:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
13497	M1O	04-005/12:20:26.4		NOTE: Exit Planetary Atmosphere 9134		04-005/12:10:51.9
13498	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
13499	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
13500	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
13501	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
13502	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
13503	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		
13504	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
13505	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		
13506	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
13507	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
13508	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13509	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
13510	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
13511	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
13512	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
13513	M1O	04-005/12:30:00.0	55	Begin Tracking		
13514	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		
13515	M1O	04-005/12:30:00.0	43	Range Modulation Off		
13516	M1O	04-005/12:30:50.7	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
13517	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
13518	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
13519	M1O	04-005/12:31:30.8		NOTE: Descending Node Crossing 9135		04-005/12:21:56.1
13520	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
13521	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
13522	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
13523	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
13524	M1O	04-005/12:35:00.0	43	X-Band Transmitter Off		
13525	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
13526	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
13527	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
13528	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
13529	M1O	04-005/12:39:28.0	55	NOTE: Above Uplink Interlock Limit		
13530	M1O	04-005/12:40:00.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13531	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
13532	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
13533	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
13534	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
13535	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
13536	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
13537	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
13538	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
13539	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
13540	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		
13541	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,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
13542	M1O	04-005/12:44:07.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-005/12:34:33.3
13543	M1O	04-005/12:45:00.0	55	Range Modulation On: SUP=3.0dB		
13544	M1O	04-005/12:45:31.0	43	NOTE: Below Uplink Interlock Limit		
13545	M1O	04-005/12:46:00.0	55	Begin Ranging Acquisition		
13546	M1O	04-005/12:48:07.2		SPAWN, Engine = 65535, Parameters = 3, 00:15:59.885, 1	dpt	04-005/12:38:32.5
13547	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
13548	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
13549	M1O	04-005/12:50:00.0	43	End Tracking		
13550	M1O	04-005/12:50:00.1		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-005/12:40:25.4
13551	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
13552	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		
13553	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		
13554	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		
13555	M1O	04-005/13:00:50.5		NOTE: South Pole Crossing 9135		04-005/12:51:15.8
13556	M1O	04-005/13:02:24.2		NOTE: Periapsis 9135 ----------		04-005/12:52:49.5
13557	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
13558	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		
13559	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
13560	M1O	04-005/13:05:00.0	43	End Post-Cal		
13561	M1O	04-005/13:17:00.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
13562	M1O	04-005/13:27:00.0	55	Range Modulation Off		
13563	M1O	04-005/13:28:57.2		NOTE: Enter Solar Eclipse 9135		04-005/13:19:22.4
13564	M1O	04-005/13:30:06.1		NOTE: Ascending Node Crossing 9135		04-005/13:20:31.3
13565	M1O	04-005/13:32:00.0	55	X-Band Transmitter Off		
13566	M1O	04-005/13:49:46.5		NOTE: Exit Solar Eclipse 9135		04-005/13:40:11.7
13567	M1O	04-005/13:50:07.2		SPAWN, Engine = 65535, Parameters = 3, 00:32:42, 1	dpt	04-005/13:40:32.4
13568	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
13569	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		
13570	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
13571	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		
13572	M1O	04-005/13:51:10.8		NOTE: ENTER HGA KEEP OUT ZONE		
13573	M1O	04-005/13:51:10.8	55	NOTE: Loss Of X-Band Signal		
13574	M1O	04-005/13:58:06.6		NOTE: Enter Planetary Atmosphere 9135		04-005/13:48:31.8
13575	M1O	04-005/13:58:42.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13576	M1O	04-005/13:59:45.8		NOTE: Enter Earth Occultation 9135		04-005/13:50:10.9
13577	M1O	04-005/14:00:00.0	63	Begin Pre-Cal		
13578	M1O	04-005/14:00:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
13579	M1O	04-005/14:00:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
13580	M1O	04-005/14:00:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
13581	M1O	04-005/14:00:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
13582	M1O	04-005/14:00:00.0	63	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
13583	M1O	04-005/14:00:00.0	63	Config: RCV: Parms:		
13584	M1O	04-005/14:00:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
13585	M1O	04-005/14:00:00.0	63	Config: TGC: BAND=X, SR=79632.000000		
13586	M1O	04-005/14:00:00.0	63	Config: TXL		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13587	M1O	04-005/14:00:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
13588	M1O	04-005/14:00:00.0	63	Config: CMD		
13589	M1O	04-005/14:00:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
13590	M1O	04-005/14:00:01.8		NOTE: North Pole Crossing 9135		04-005/13:50:27.0
13591	M1O	04-005/14:02:08.6		NOTE: Apoapsis 9135 -		04-005/13:52:33.7
13592	M1O	04-005/14:03:42.0	55	Range Modulation On: SUP=3.0dB		
13593	M1O	04-005/14:04:42.0	55	Begin Ranging Acquisition		
13594	M1O	04-005/14:09:30.9		NOTE: EXIT HGA KEEP OUT ZONE		
13595	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
13596	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
13597	M1O	04-005/14:15:59.0		CALL, Engine = , Parameters = 56	get_cmd_opt	04-005/14:06:24.1
13598	M1O	04-005/14:15:59.3		CALL, Engine = , Parameters = 005, 03, 056	bld_autosw	04-005/14:06:24.4
13599	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
13600	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
13601	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
13602	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
13603	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
13604	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
13605	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
13606	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
13607	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
13608	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
13609	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
13610	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
13611	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
13612	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
13613	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
13614	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
13615	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
13616	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
13617	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
13618	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
13619	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
13620	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
13621	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
13622	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
13623	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
13624	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13625	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
13626	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
13627	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
13628	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
13629	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
13630	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
13631	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
13632	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
13633	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
13634	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
13635	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
13636	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
13637	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
13638	M1O	04-005/14:16:41.3		CALL, Engine = , Parameters = 56	get_apid	04-005/14:07:06.4
13639	M1O	04-005/14:16:42.4		CALL, Engine = , Parameters = 56	get_rcv_mode	04-005/14:07:07.5
13640	M1O	04-005/14:16:42.6		CALL, Engine = , Parameters = 56	get_dl_rate	04-005/14:07:07.7
13641	M1O	04-005/14:16:43.7		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-005/14:07:08.8
13642	M1O	04-005/14:16:44.9		CALL, Engine = , Parameters = 56	get_coding	04-005/14:07:10.0
13643	M1O	04-005/14:16:46.1		CALL, Engine = , Parameters = 56	get_xmt_mode	04-005/14:07:11.2
13644	M1O	04-005/14:16:47.3		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-005/14:07:12.4
13645	M1O	04-005/14:17:19.4		NOTE: Exit Earth Occultation 9135		04-005/14:07:44.5
13646	M1O	04-005/14:17:19.4	55	Acquisition Of X-Band Signal		
13647	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		
13648	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		
13649	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
13650	M1O	04-005/14:17:53.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-005/14:08:18.2
13651	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
13652	M1O	04-005/14:17:55.1		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-005/14:08:20.2
13653	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
13654	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
13655	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
13656	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
13657	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
13658	M1O	04-005/14:18:59.6		NOTE: Exit Planetary Atmosphere 9135		04-005/14:09:24.7
13659	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
13660	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
13661	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
13662	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		
13663	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
13664	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13665	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
13666	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
13667	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
13668	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
13669	M1O	04-005/14:25:00.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
13670	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
13671	M1O	04-005/14:25:50.0	55	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
13672	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
13673	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
13674	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
13675	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
13676	M1O	04-005/14:30:01.4		NOTE: Descending Node Crossing 9136		04-005/14:20:26.5
13677	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
13678	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
13679	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
13680	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
13681	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
13682	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
13683	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
13684	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		
13685	M1O	04-005/14:31:49.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-005/14:22:14.9
13686	M1O	04-005/14:35:00.0	55	Range Modulation Off		
13687	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
13688	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		
13689	M1O	04-005/14:40:00.0	55	X-Band Transmitter Off		
13690	M1O	04-005/14:43:58.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-005/14:34:23.4
13691	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
13692	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		
13693	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
13694	M1O	04-005/14:45:00.0	55	End Tracking		
13695	M1O	04-005/14:45:00.0	55	End Post-Cal		
13696	M1O	04-005/14:45:00.0	63	Begin Tracking		
13697	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		
13698	M1O	04-005/14:45:00.4		NOTE: Changing to 70M downlink rate: 110600_BPS		04-005/14:35:25.4
13699	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13700	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		
13701	M1O	04-005/14:46:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13702	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
13703	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, ANT=HGA		
13704	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
13705	M1O	04-005/14:51:00.0	63	Range Modulation On: SUP=3.0dB		
13706	M1O	04-005/14:52:00.0	63	Begin Ranging Acquisition		
13707	M1O	04-005/14:58:07.4		SPAWN, Engine = 65535, Parameters = 3, 00:12:00, 1	dpt	04-005/14:48:32.4
13708	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
13709	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		
13710	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
13711	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		
13712	M1O	04-005/14:59:21.3		NOTE: South Pole Crossing 9136		04-005/14:49:46.2
13713	M1O	04-005/15:00:40.4		NOTE: Periapsis 9136 ----------		04-005/14:51:05.3
13714	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		
13715	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
13716	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		
13717	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
13718	M1O	04-005/15:15:30.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
13719	M1O	04-005/15:25:30.0	63	Range Modulation Off		
13720	M1O	04-005/15:27:30.0		NOTE: Enter Solar Eclipse 9136		04-005/15:17:54.8
13721	M1O	04-005/15:28:37.7		NOTE: Ascending Node Crossing 9136		04-005/15:19:02.6
13722	M1O	04-005/15:30:30.0	63	X-Band Transmitter Off		
13723	M1O	04-005/15:48:15.7		NOTE: Exit Solar Eclipse 9136		04-005/15:38:40.5
13724	M1O	04-005/15:48:37.6		SPAWN, Engine = 65535, Parameters = 3, 00:32:40, 1	dpt	04-005/15:39:02.4
13725	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
13726	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		
13727	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
13728	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		
13729	M1O	04-005/15:49:41.2		NOTE: ENTER HGA KEEP OUT ZONE		
13730	M1O	04-005/15:49:41.2	63	NOTE: Loss Of X-Band Signal		
13731	M1O	04-005/15:56:40.7		NOTE: Enter Planetary Atmosphere 9136		04-005/15:47:05.5
13732	M1O	04-005/15:57:10.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13733	M1O	04-005/15:58:20.5		NOTE: Enter Earth Occultation 9136		04-005/15:48:45.2
13734	M1O	04-005/15:58:33.4		NOTE: North Pole Crossing 9136		04-005/15:48:58.2
13735	M1O	04-005/16:00:45.8		NOTE: Apoapsis 9136 -		04-005/15:51:10.5
13736	M1O	04-005/16:02:10.0	63	Range Modulation On: SUP=3.0dB		
13737	M1O	04-005/16:03:10.0	63	Begin Ranging Acquisition		
13738	M1O	04-005/16:08:01.2		NOTE: EXIT HGA KEEP OUT ZONE		
13739	M1O	04-005/16:15:47.7		NOTE: Exit Earth Occultation 9136		04-005/16:06:12.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13740	M1O	04-005/16:15:47.7	63	Acquisition Of X-Band Signal		
13741	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		
13742	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		
13743	M1O	04-005/16:17:28.4		NOTE: Exit Planetary Atmosphere 9136		04-005/16:07:53.1
13744	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
13745	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		
13746	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
13747	M1O	04-005/16:28:33.0		NOTE: Descending Node Crossing 9137		04-005/16:18:57.7
13748	M1O	04-005/16:57:53.7		NOTE: South Pole Crossing 9137		04-005/16:48:18.2
13749	M1O	04-005/16:59:14.1		NOTE: Periapsis 9137 ----------		04-005/16:49:38.7
13750	M1O	04-005/17:14:01.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
13751	M1O	04-005/17:24:01.0	63	Range Modulation Off		
13752	M1O	04-005/17:26:04.0		NOTE: Enter Solar Eclipse 9137		04-005/17:16:28.5
13753	M1O	04-005/17:27:11.0		NOTE: Ascending Node Crossing 9137		04-005/17:17:35.5
13754	M1O	04-005/17:29:01.0	63	X-Band Transmitter Off		
13755	M1O	04-005/17:46:43.8		NOTE: Exit Solar Eclipse 9137		04-005/17:37:08.2
13756	M1O	04-005/17:47:09.0		SPAWN, Engine = 65535, Parameters = 3, 00:32:35.883, 1	dpt	04-005/17:37:33.4
13757	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
13758	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		
13759	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
13760	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		
13761	M1O	04-005/17:48:12.5		NOTE: ENTER HGA KEEP OUT ZONE		
13762	M1O	04-005/17:48:12.5	63	NOTE: Loss Of X-Band Signal		
13763	M1O	04-005/17:55:22.6		NOTE: Enter Planetary Atmosphere 9137		04-005/17:45:47.0
13764	M1O	04-005/17:55:38.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13765	M1O	04-005/17:57:03.5		NOTE: Enter Earth Occultation 9137		04-005/17:47:27.9
13766	M1O	04-005/17:57:08.1		NOTE: North Pole Crossing 9137		04-005/17:47:32.5
13767	M1O	04-005/17:59:20.1		NOTE: Apoapsis 9137 -		04-005/17:49:44.5
13768	M1O	04-005/18:00:38.0	63	Range Modulation On: SUP=3.0dB		
13769	M1O	04-005/18:01:38.0	63	Begin Ranging Acquisition		
13770	M1O	04-005/18:06:32.6		NOTE: EXIT HGA KEEP OUT ZONE		
13771	M1O	04-005/18:14:16.7		NOTE: Exit Earth Occultation 9137		04-005/18:04:41.0
13772	M1O	04-005/18:14:16.7	63	Acquisition Of X-Band Signal		
13773	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		
13774	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		
13775	M1O	04-005/18:15:58.6		NOTE: Exit Planetary Atmosphere 9137		04-005/18:06:23.0
13776	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
13777	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		
13778	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
13779	M1O	04-005/18:27:09.1		NOTE: Descending Node Crossing 9138		04-005/18:17:33.4
13780	M1O	04-005/18:56:29.8		NOTE: South Pole Crossing 9138		04-005/18:46:54.0
13781	M1O	04-005/18:57:54.9		NOTE: Periapsis 9138 ----------		04-005/18:48:19.0
13782	M1O	04-005/19:06:31.8		SPAWN, Engine = 65535, Parameters = 005, 03, TRUE, 00:19:07, 254, TRUE, 32_KPS,	uhf	04-005/18:56:56.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				00:05:00, 00:00:00		
13783	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
13784	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		
13785	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
13786	M1O	04-005/19:06:34.9		CALL, Engine = , Parameters = 254	get_cmd_opt	04-005/18:56:59.1
13787	M1O	04-005/19:06:35.2		CALL, Engine = , Parameters = 005, 03, 254	bld_autosw	04-005/18:56:59.4
13788	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
13789	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
13790	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
13791	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
13792	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
13793	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
13794	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
13795	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
13796	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
13797	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
13798	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
13799	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
13800	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
13801	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
13802	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
13803	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
13804	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
13805	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
13806	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
13807	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
13808	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
13809	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
13810	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
13811	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
13812	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
13813	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
13814	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
13815	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
13816	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
13817	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13818	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
13819	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
13820	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
13821	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
13822	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
13823	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
13824	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
13825	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
13826	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
13827	M1O	04-005/19:07:17.2		CALL, Engine = , Parameters = 254	get_apid	04-005/18:57:41.4
13828	M1O	04-005/19:07:18.3		CALL, Engine = , Parameters = 254	get_rcv_mode	04-005/18:57:42.5
13829	M1O	04-005/19:07:18.5		CALL, Engine = , Parameters = 254	get_dl_rate	04-005/18:57:42.7
13830	M1O	04-005/19:07:19.6		CALL, Engine = , Parameters = 254, TRUE	get_modulatn	04-005/18:57:43.8
13831	M1O	04-005/19:07:20.9		CALL, Engine = , Parameters = 254	get_coding	04-005/18:57:45.1
13832	M1O	04-005/19:07:22.1		CALL, Engine = , Parameters = 254	get_xmt_mode	04-005/18:57:46.3
13833	M1O	04-005/19:07:23.3		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-005/18:57:47.5
13834	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
13835	M1O	04-005/19:08:29.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-005/18:58:53.3
13836	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
13837	M1O	04-005/19:08:31.1		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-005/18:58:55.3
13838	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
13839	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
13840	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
13841	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
13842	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
13843	M1O	04-005/19:12:36.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
13844	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
13845	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
13846	M1O	04-005/19:22:36.0	63	Range Modulation Off		
13847	M1O	04-005/19:24:39.2		NOTE: Enter Solar Eclipse 9138		04-005/19:15:03.3
13848	M1O	04-005/19:25:46.8		NOTE: Ascending Node Crossing 9138		04-005/19:16:10.9
13849	M1O	04-005/19:27:36.0	63	X-Band Transmitter Off		
13850	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
13851	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
13852	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
13853	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
13854	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
13855	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
13856	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
13857	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		
13858	M1O	04-005/19:27:53.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-005/19:18:17.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13859	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
13860	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		
13861	M1O	04-005/19:45:16.4		NOTE: Exit Solar Eclipse 9138		04-005/19:35:40.4
13862	M1O	04-005/19:45:45.4		SPAWN, Engine = 65535, Parameters = 3, 00:32:35, 1	dpt	04-005/19:36:09.5
13863	M1O	04-005/19:45:47.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-005/19:36:11.6
13864	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		
13865	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
13866	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		
13867	M1O	04-005/19:46:48.9		NOTE: ENTER HGA KEEP OUT ZONE		
13868	M1O	04-005/19:46:48.9	63	NOTE: Loss Of X-Band Signal		
13869	M1O	04-005/19:54:02.5		NOTE: Enter Planetary Atmosphere 9138		04-005/19:44:26.5
13870	M1O	04-005/19:54:11.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13871	M1O	04-005/19:55:44.0		NOTE: Enter Earth Occultation 9138		04-005/19:46:08.0
13872	M1O	04-005/19:55:44.6		NOTE: North Pole Crossing 9138		04-005/19:46:08.6
13873	M1O	04-005/19:57:48.3		NOTE: Apoapsis 9138 -		04-005/19:48:12.3
13874	M1O	04-005/19:59:11.0	63	Range Modulation On: SUP=3.0dB		
13875	M1O	04-005/20:00:11.0	63	Begin Ranging Acquisition		
13876	M1O	04-005/20:05:09.0		NOTE: EXIT HGA KEEP OUT ZONE		
13877	M1O	04-005/20:12:50.8		NOTE: Exit Earth Occultation 9138		04-005/20:03:14.7
13878	M1O	04-005/20:12:50.8	63	Acquisition Of X-Band Signal		
13879	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		
13880	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		
13881	M1O	04-005/20:14:33.3		NOTE: Exit Planetary Atmosphere 9138		04-005/20:04:57.2
13882	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
13883	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		
13884	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
13885	M1O	04-005/20:25:46.3		NOTE: Descending Node Crossing 9139		04-005/20:16:10.2
13886	M1O	04-005/20:55:06.8		NOTE: South Pole Crossing 9139		04-005/20:45:30.7
13887	M1O	04-005/20:56:28.5		NOTE: Periapsis 9139 ----------		04-005/20:46:52.3
13888	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
13889	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
13890	M1O	04-005/21:08:38.3		CALL, Engine = , Parameters = 254	get_cmd_opt	04-005/20:59:02.1
13891	M1O	04-005/21:09:20.5		CALL, Engine = , Parameters = 254	get_apid	04-005/20:59:44.3
13892	M1O	04-005/21:09:21.6		CALL, Engine = , Parameters = 254	get_rcv_mode	04-005/20:59:45.4
13893	M1O	04-005/21:09:21.8		CALL, Engine = , Parameters = 254	get_dl_rate	04-005/20:59:45.6
13894	M1O	04-005/21:09:22.9		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-005/20:59:46.7
13895	M1O	04-005/21:09:24.2		CALL, Engine = , Parameters = 254	get_coding	04-005/20:59:48.0
13896	M1O	04-005/21:09:25.4		CALL, Engine = , Parameters = 254	get_xmt_mode	04-005/20:59:49.2
13897	M1O	04-005/21:09:26.6		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-005/20:59:50.4
13898	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
13899	M1O	04-005/21:10:32.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-005/21:00:56.2
13900	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
13901	M1O	04-005/21:10:34.4		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-005/21:00:58.2
13902	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13903	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
13904	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
13905	M1O	04-005/21:11:13.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
13906	M1O	04-005/21:19:24.7		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-005/21:09:48.5
13907	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
13908	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
13909	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
13910	M1O	04-005/21:21:13.0	63	Range Modulation Off		
13911	M1O	04-005/21:23:15.7		NOTE: Enter Solar Eclipse 9139		04-005/21:13:39.4
13912	M1O	04-005/21:24:23.6		NOTE: Ascending Node Crossing 9139		04-005/21:14:47.3
13913	M1O	04-005/21:26:13.0	63	X-Band Transmitter Off		
13914	M1O	04-005/21:43:53.2		NOTE: Exit Solar Eclipse 9139		04-005/21:34:16.9
13915	M1O	04-005/21:44:22.8		SPAWN, Engine = 65535, Parameters = 3, 00:32:35, 1	dpt	04-005/21:34:46.5
13916	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
13917	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		
13918	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
13919	M1O	04-005/21:45:00.0	26	Begin Pre-Cal		
13920	M1O	04-005/21:45:00.0	26	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
13921	M1O	04-005/21:45:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
13922	M1O	04-005/21:45:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
13923	M1O	04-005/21:45:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
13924	M1O	04-005/21:45:00.0	26	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
13925	M1O	04-005/21:45:00.0	26	Config: RCV: Parms:		
13926	M1O	04-005/21:45:00.0	26	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
13927	M1O	04-005/21:45:00.0	26	Config: TGC: BAND=X, SR=221200.000000		
13928	M1O	04-005/21:45:00.0	26	Config: TXL		
13929	M1O	04-005/21:45:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
13930	M1O	04-005/21:45:00.0	26	Config: CMD		
13931	M1O	04-005/21:45:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
13932	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		
13933	M1O	04-005/21:45:26.3		NOTE: ENTER HGA KEEP OUT ZONE		
13934	M1O	04-005/21:45:26.3	63	NOTE: Loss Of X-Band Signal		
13935	M1O	04-005/21:52:37.1		NOTE: Enter Planetary Atmosphere 9139		04-005/21:43:00.8
13936	M1O	04-005/21:52:48.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13937	M1O	04-005/21:54:18.3		NOTE: Enter Earth Occultation 9139		04-005/21:44:41.9
13938	M1O	04-005/21:54:21.0		NOTE: North Pole Crossing 9139		04-005/21:44:44.6
13939	M1O	04-005/21:56:09.9		NOTE: Apoapsis 9139 -		04-005/21:46:33.5
13940	M1O	04-005/21:57:48.0	63	Range Modulation On: SUP=3.0dB		
13941	M1O	04-005/21:58:48.0	63	Begin Ranging Acquisition		
13942	M1O	04-005/22:03:46.3		NOTE: EXIT HGA KEEP OUT ZONE		
13943	M1O	04-005/22:11:28.5		NOTE: Exit Earth Occultation 9139		04-005/22:01:52.1
13944	M1O	04-005/22:11:28.5	63	Acquisition Of X-Band Signal		
13945	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		
13946	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		
13947	M1O	04-005/22:13:10.7		NOTE: Exit Planetary Atmosphere 9139		04-005/22:03:34.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13948	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
13949	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		
13950	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
13951	M1O	04-005/22:24:22.1		NOTE: Descending Node Crossing 9140		04-005/22:14:45.6
13952	M1O	04-005/22:30:59.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
13953	M1O	04-005/22:40:59.0	63	Range Modulation Off		
13954	M1O	04-005/22:45:00.0	26	Begin Tracking		
13955	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		
13956	M1O	04-005/22:45:59.0	63	X-Band Transmitter Off		
13957	M1O	04-005/22:46:00.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
13958	M1O	04-005/22:51:00.0	26	Range Modulation On: SUP=3.0dB		
13959	M1O	04-005/22:52:00.0	26	Begin Ranging Acquisition		
13960	M1O	04-005/22:53:42.7		NOTE: South Pole Crossing 9140		04-005/22:44:06.2
13961	M1O	04-005/22:55:02.8		NOTE: Periapsis 9140 ----------		04-005/22:45:26.3
13962	M1O	04-005/23:04:09.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:01, 1	dpt	04-005/22:54:32.5
13963	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
13964	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		
13965	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		
13966	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
13967	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		
13968	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		
13969	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		
13970	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		
13971	M1O	04-005/23:09:48.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
13972	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
13973	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		
13974	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		
13975	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
13976	M1O	04-005/23:19:48.0	26	Range Modulation Off		
13977	M1O	04-005/23:21:51.5		NOTE: Enter Solar Eclipse 9140		04-005/23:12:14.9
13978	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
13979	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
13980	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		
13981	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		
13982	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
13983	M1O	04-005/23:22:06.7		CALL, Engine = , Parameters = 56	get_cmd_opt	04-005/23:12:30.1
13984	M1O	04-005/23:22:07.0		CALL, Engine = , Parameters = 005, 04, 056	bld_autosw	04-005/23:12:30.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
13985	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
13986	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
13987	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
13988	M1O	04-005/23:22:11.3		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy005_pass04_file02.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-005/23:12:34.7
13989	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
13990	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
13991	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
13992	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
13993	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
13994	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
13995	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
13996	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
13997	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
13998	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
13999	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
14000	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
14001	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
14002	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
14003	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
14004	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
14005	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
14006	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
14007	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
14008	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
14009	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
14010	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
14011	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
14012	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
14013	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
14014	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
14015	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
14016	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
14017	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
14018	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
14019	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
14020	M1O	04-005/23:22:44.9		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-005/23:13:08.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy005_pass04_file18.dat, d:/dat/autoswitch.dat		
14021	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
14022	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
14023	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
14024	M1O	04-005/23:22:49.0		CALL, Engine = , Parameters = 56	get_apid	04-005/23:13:12.4
14025	M1O	04-005/23:22:50.1		CALL, Engine = , Parameters = 56	get_rcv_mode	04-005/23:13:13.5
14026	M1O	04-005/23:22:50.3		CALL, Engine = , Parameters = 56	get_dl_rate	04-005/23:13:13.7
14027	M1O	04-005/23:22:51.4		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-005/23:13:14.8
14028	M1O	04-005/23:22:52.6		CALL, Engine = , Parameters = 56	get_coding	04-005/23:13:16.0
14029	M1O	04-005/23:22:53.8		CALL, Engine = , Parameters = 56	get_xmt_mode	04-005/23:13:17.2
14030	M1O	04-005/23:22:55.0		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-005/23:13:18.4
14031	M1O	04-005/23:22:59.6		NOTE: Ascending Node Crossing 9140		04-005/23:13:22.9
14032	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
14033	M1O	04-005/23:24:00.8		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-005/23:14:24.2
14034	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
14035	M1O	04-005/23:24:02.8		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-005/23:14:26.2
14036	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
14037	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
14038	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
14039	M1O	04-005/23:24:48.0	26	X-Band Transmitter Off		
14040	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
14041	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
14042	M1O	04-005/23:25:44.0	63	NOTE: Below Uplink Interlock Limit		
14043	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
14044	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
14045	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
14046	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
14047	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
14048	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
14049	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
14050	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
14051	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
14052	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
14053	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
14054	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		
14055	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		
14056	M1O	04-005/23:33:01.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-005/23:23:24.4
14057	M1O	04-005/23:33:59.0		SPAWN, Engine = 65535, Parameters = 3, 00:41:36.082, 1	dpt	04-005/23:24:22.3
14058	M1O	04-005/23:34:01.1		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-005/23:24:24.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
14059	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
14060	M1O	04-005/23:35:00.0	63	End Tracking		
14061	M1O	04-005/23:35:01.0		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-005/23:25:24.3
14062	M1O	04-005/23:35:01.0		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	04-005/23:25:24.3
14063	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		
14064	M1O	04-005/23:42:31.9		NOTE: Exit Solar Eclipse 9140		04-005/23:32:55.2
14065	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		
14066	M1O	04-005/23:44:01.6		NOTE: ENTER HGA KEEP OUT ZONE		
14067	M1O	04-005/23:44:01.6	26	NOTE: Loss Of X-Band Signal		
14068	M1O	04-005/23:50:00.0	63	End Post-Cal		
14069	M1O	04-005/23:51:06.3		NOTE: Enter Planetary Atmosphere 9140		04-005/23:41:29.6
14070	M1O	04-005/23:51:26.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14071	M1O	04-005/23:52:46.6		NOTE: Enter Earth Occultation 9140		04-005/23:43:09.9
14072	M1O	04-005/23:52:55.8		NOTE: North Pole Crossing 9140		04-005/23:43:19.1
14073	M1O	04-005/23:54:40.7		NOTE: Apoapsis 9140 -		04-005/23:45:03.9
14074	M1O	04-005/23:56:26.0	26	Range Modulation On: SUP=3.0dB		
14075	M1O	04-005/23:57:26.0	26	Begin Ranging Acquisition		
14076	M1O	04-006/00:00:00.0		Light Time: OWLT = 09:36, RTLT = 19:13		
14077	M1O	04-006/00:02:21.7		NOTE: EXIT HGA KEEP OUT ZONE		
14078	M1O	04-006/00:10:06.7		NOTE: Exit Earth Occultation 9140		04-006/00:00:29.9
14079	M1O	04-006/00:10:06.7	26	Acquisition Of X-Band Signal		
14080	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		
14081	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		
14082	M1O	04-006/00:11:48.0		NOTE: Exit Planetary Atmosphere 9140		04-006/00:02:11.2
14083	M1O	04-006/00:12:28.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
14084	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
14085	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		
14086	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
14087	M1O	04-006/00:22:28.0	26	Range Modulation Off		
14088	M1O	04-006/00:22:55.5		NOTE: Descending Node Crossing 9141		04-006/00:13:18.7
14089	M1O	04-006/00:27:28.0	26	X-Band Transmitter Off		
14090	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
14091	M1O	04-006/00:35:55.9		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-006/00:26:19.1
14092	M1O	04-006/00:35:56.9		Forces a desaturation of the reaction wheels.	RW_DESAT	04-006/00:26:20.1
14093	M1O	04-006/00:38:30.8		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-006/00:28:54.0
14094	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
14095	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
14096	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
14097	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
14098	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
14099	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
14100	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14101	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		
14102	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
14103	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		
14104	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
14105	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
14106	M1O	04-006/00:46:09.6	26	D/L RF Warning: SC antenna change - expect signal level variation		
14107	M1O	04-006/00:46:10.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-006/00:36:33.8
14108	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		
14109	M1O	04-006/00:47:26.9		CALL, Engine = , Parameters = FALSE	park_hga	04-006/00:37:50.1
14110	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
14111	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
14112	M1O	04-006/00:47:28.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-006/00:37:52.1
14113	M1O	04-006/00:47:28.9		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-006/00:37:52.1
14114	M1O	04-006/00:47:28.9		NOTE: START HGA PARK		
14115	M1O	04-006/00:47:28.9	26	NOTE: Loss Of X-Band Signal		
14116	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
14117	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
14118	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
14119	M1O	04-006/00:52:15.9		NOTE: South Pole Crossing 9141		04-006/00:42:39.0
14120	M1O	04-006/00:53:38.6		NOTE: Periapsis 9141 ----------		04-006/00:44:01.6
14121	M1O	04-006/00:55:31.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-006/00:45:54.1
14122	M1O	04-006/00:55:31.0		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-006/00:45:54.1
14123	M1O	04-006/01:00:00.0	43	Begin Pre-Cal		
14124	M1O	04-006/01:00:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
14125	M1O	04-006/01:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
14126	M1O	04-006/01:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
14127	M1O	04-006/01:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
14128	M1O	04-006/01:00:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
14129	M1O	04-006/01:00:00.0	43	Config: RCV: Parms:		
14130	M1O	04-006/01:00:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
14131	M1O	04-006/01:00:00.0	43	Config: TGC: BAND=X, SR=79632.000000		
14132	M1O	04-006/01:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
14133	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
14134	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
14135	M1O	04-006/01:07:11.0		CALL, Engine = , Parameters = 56	get_cmd_opt	04-006/00:57:34.1
14136	M1O	04-006/01:07:11.3		CALL, Engine = , Parameters = 006, 01, 056	bld_autosw	04-006/00:57:34.4
14137	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
14138	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
14139	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
14140	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
14141	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
14142	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14143	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
14144	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
14145	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
14146	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
14147	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
14148	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
14149	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
14150	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
14151	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
14152	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
14153	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
14154	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
14155	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
14156	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
14157	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
14158	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
14159	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
14160	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
14161	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
14162	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
14163	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
14164	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
14165	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
14166	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
14167	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
14168	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
14169	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
14170	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
14171	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
14172	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
14173	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
14174	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
14175	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
14176	M1O	04-006/01:07:53.3		CALL, Engine = , Parameters = 56	get_apid	04-006/00:58:16.4
14177	M1O	04-006/01:07:54.4		CALL, Engine = , Parameters = 56	get_rcv_mode	04-006/00:58:17.5
14178	M1O	04-006/01:07:54.6		CALL, Engine = , Parameters = 56	get_dl_rate	04-006/00:58:17.7
14179	M1O	04-006/01:07:55.7		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-006/00:58:18.8
14180	M1O	04-006/01:07:56.9		CALL, Engine = , Parameters = 56	get_coding	04-006/00:58:20.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14181	M1O	04-006/01:07:58.1		CALL, Engine = , Parameters = 56	get_xmt_mode	04-006/00:58:21.2
14182	M1O	04-006/01:07:59.3		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-006/00:58:22.4
14183	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
14184	M1O	04-006/01:09:05.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-006/00:59:28.2
14185	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
14186	M1O	04-006/01:09:07.1		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-006/00:59:30.2
14187	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
14188	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
14189	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
14190	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
14191	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
14192	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
14193	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
14194	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
14195	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
14196	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
14197	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
14198	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
14199	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
14200	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
14201	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
14202	M1O	04-006/01:20:23.8		NOTE: Enter Solar Eclipse 9141		04-006/01:10:46.8
14203	M1O	04-006/01:21:32.6		NOTE: Ascending Node Crossing 9141		04-006/01:11:55.6
14204	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
14205	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
14206	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
14207	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
14208	M1O	04-006/01:25:31.0		GV: GV_DESAT_ACTIVE = 1		04-006/01:15:54.0
14209	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
14210	M1O	04-006/01:25:32.0		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-006/01:15:55.0
14211	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
14212	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
14213	M1O	04-006/01:28:11.2		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK,	UHF_XMIT_MODE	04-006/01:18:34.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT, DISABLE		
14214	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
14215	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
14216	M1O	04-006/01:30:12.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-006/01:20:35.2
14217	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
14218	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
14219	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
14220	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
14221	M1O	04-006/01:35:31.0		GV: GV_DESAT_ACTIVE = 0		04-006/01:25:54.0
14222	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
14223	M1O	04-006/01:35:33.0		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-006/01:25:56.0
14224	M1O	04-006/01:35:34.0		CALL, Engine = , Parameters =	unpark_hga	04-006/01:25:57.0
14225	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
14226	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
14227	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
14228	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
14229	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
14230	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
14231	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
14232	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
14233	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
14234	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
14235	M1O	04-006/01:41:07.3		NOTE: Exit Solar Eclipse 9141		04-006/01:31:30.3
14236	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
14237	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
14238	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
14239	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
14240	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
14241	M1O	04-006/01:41:22.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-006/01:31:45.3
14242	M1O	04-006/01:42:35.0		NOTE: ENTER HGA KEEP OUT ZONE		
14243	M1O	04-006/01:44:06.0		NOTE: EXIT HGA PARK		
14244	M1O	04-006/01:49:34.4		NOTE: Enter Planetary Atmosphere 9141		04-006/01:39:57.3
14245	M1O	04-006/01:49:58.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14246	M1O	04-006/01:51:14.3		NOTE: Enter Earth Occultation 9141		04-006/01:41:37.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14247	M1O	04-006/01:51:28.0		NOTE: North Pole Crossing 9141		04-006/01:41:50.9
14248	M1O	04-006/01:53:27.1		NOTE: Apoapsis 9141 -		04-006/01:43:50.0
14249	M1O	04-006/01:54:58.0	26	Range Modulation On: SUP=3.0dB		
14250	M1O	04-006/01:55:58.0	26	Begin Ranging Acquisition		
14251	M1O	04-006/02:00:00.0	34	Begin Pre-Cal		
14252	M1O	04-006/02:00:00.0	34	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
14253	M1O	04-006/02:00:00.0	34	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
14254	M1O	04-006/02:00:00.0	34	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
14255	M1O	04-006/02:00:00.0	34	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
14256	M1O	04-006/02:00:00.0	34	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
14257	M1O	04-006/02:00:00.0	34	Config: RCV: Parms:		
14258	M1O	04-006/02:00:00.0	34	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
14259	M1O	04-006/02:00:00.0	34	Config: TGC: BAND=X, SR=221200.000000		
14260	M1O	04-006/02:00:00.0	34	Config: TXL		
14261	M1O	04-006/02:00:00.0	34	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
14262	M1O	04-006/02:00:00.0	34	Config: CMD		
14263	M1O	04-006/02:00:55.1		NOTE: EXIT HGA KEEP OUT ZONE		
14264	M1O	04-006/02:08:15.4		SPAWN, Engine = 65535, Parameters = 00:05:31.335	cstr	04-006/01:58:38.3
14265	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
14266	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
14267	M1O	04-006/02:08:17.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-006/01:58:40.4
14268	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
14269	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
14270	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
14271	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
14272	M1O	04-006/02:08:40.4		NOTE: Exit Earth Occultation 9141		04-006/01:59:03.3
14273	M1O	04-006/02:08:40.4	26	Acquisition Of X-Band Signal		
14274	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		
14275	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		
14276	M1O	04-006/02:10:21.3		NOTE: Exit Planetary Atmosphere 9141		04-006/02:00:44.1
14277	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
14278	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
14279	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		
14280	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
14281	M1O	04-006/02:21:27.1		NOTE: Descending Node Crossing 9142		04-006/02:11:49.9
14282	M1O	04-006/02:50:00.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
14283	M1O	04-006/02:50:45.3	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
14284	M1O	04-006/02:50:46.5		NOTE: South Pole Crossing 9142		04-006/02:41:09.3
14285	M1O	04-006/02:52:01.2		NOTE: Periapsis 9142 ----------		04-006/02:42:23.9
14286	M1O	04-006/02:58:58.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-006/02:49:21.2
14287	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
14288	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		
14289	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
14290	M1O	04-006/03:00:00.0	43	Begin Tracking		
14291	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		
14292	M1O	04-006/03:00:00.0	26	Range Modulation Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14293	M1O	04-006/03:00:00.5		NOTE: Changing to 70M downlink rate: 110600_BPS		04-006/02:50:23.2
14294	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
14295	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		
14296	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		
14297	M1O	04-006/03:05:00.0	26	X-Band Transmitter Off		
14298	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
14299	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		
14300	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		
14301	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
14302	M1O	04-006/03:10:00.0	26	End Tracking		
14303	M1O	04-006/03:15:00.0	34	Begin Tracking		
14304	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		
14305	M1O	04-006/03:18:54.0		NOTE: Enter Solar Eclipse 9142		04-006/03:09:16.7
14306	M1O	04-006/03:20:02.7		NOTE: Ascending Node Crossing 9142		04-006/03:10:25.3
14307	M1O	04-006/03:23:12.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-006/03:13:34.6
14308	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
14309	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		
14310	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		
14311	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
14312	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		
14313	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		
14314	M1O	04-006/03:25:00.0	26	End Post-Cal		
14315	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
14316	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		
14317	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		
14318	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
14319	M1O	04-006/03:39:34.9		NOTE: Exit Solar Eclipse 9142		04-006/03:29:57.4
14320	M1O	04-006/03:40:05.4		SPAWN, Engine = 65535, Parameters = 3, 00:32:33.659, 1	dpt	04-006/03:30:28.0
14321	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
14322	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		
14323	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		
14324	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
14325	M1O	04-006/03:41:07.4		NOTE: ENTER HGA KEEP OUT ZONE		
14326	M1O	04-006/03:41:07.4	34	NOTE: Loss Of X-Band Signal		
14327	M1O	04-006/03:41:07.4	43	NOTE: Loss Of X-Band Signal		
14328	M1O	04-006/03:48:08.5		NOTE: Enter Planetary Atmosphere 9142		04-006/03:38:31.0
14329	M1O	04-006/03:48:27.0	34	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14330	M1O	04-006/03:49:48.8		NOTE: Enter Earth Occultation 9142		04-006/03:40:11.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14331	M1O	04-006/03:49:59.1		NOTE: North Pole Crossing 9142		04-006/03:40:21.6
14332	M1O	04-006/03:51:42.9		NOTE: Apoapsis 9142 -		04-006/03:42:05.5
14333	M1O	04-006/03:59:27.4		NOTE: EXIT HGA KEEP OUT ZONE		
14334	M1O	04-006/04:07:09.2		NOTE: Exit Earth Occultation 9142		04-006/03:57:31.7
14335	M1O	04-006/04:07:09.2	34	Acquisition Of X-Band Signal		
14336	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, ANT=HGA		
14337	M1O	04-006/04:07:09.2	43	Acquisition Of X-Band Signal		
14338	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		
14339	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		
14340	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		
14341	M1O	04-006/04:08:50.6		NOTE: Exit Planetary Atmosphere 9142		04-006/03:59:13.1
14342	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
14343	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		
14344	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		
14345	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
14346	M1O	04-006/04:19:58.8		NOTE: Descending Node Crossing 9143		04-006/04:10:21.3
14347	M1O	04-006/04:49:18.2		NOTE: South Pole Crossing 9143		04-006/04:39:40.5
14348	M1O	04-006/04:50:11.2		NOTE: Periapsis 9143 ----------		04-006/04:40:33.6
14349	M1O	04-006/04:55:00.0	34	NOTE: X-Band Transmitter Off in 15 minutes		
14350	M1O	04-006/04:55:44.6	34	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
14351	M1O	04-006/05:10:00.0	34	X-Band Transmitter Off		
14352	M1O	04-006/05:15:00.0	34	End Tracking		
14353	M1O	04-006/05:15:00.0	34	End Post-Cal		
14354	M1O	04-006/05:17:28.6		NOTE: Enter Solar Eclipse 9143		04-006/05:07:50.8
14355	M1O	04-006/05:18:35.0		NOTE: Ascending Node Crossing 9143		04-006/05:08:57.3
14356	M1O	04-006/05:28:12.4		SPAWN, Engine = 65535, Parameters = 3, 00:42:22.331, 1	dpt	04-006/05:18:34.6
14357	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
14358	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		
14359	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
14360	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		
14361	M1O	04-006/05:38:02.1		NOTE: Exit Solar Eclipse 9143		04-006/05:28:24.3
14362	M1O	04-006/05:39:38.8		NOTE: ENTER HGA KEEP OUT ZONE		
14363	M1O	04-006/05:39:38.8	43	NOTE: Loss Of X-Band Signal		
14364	M1O	04-006/05:46:48.0		NOTE: Enter Planetary Atmosphere 9143		04-006/05:37:10.2
14365	M1O	04-006/05:48:29.3		NOTE: Enter Earth Occultation 9143		04-006/05:38:51.5
14366	M1O	04-006/05:48:32.5		NOTE: North Pole Crossing 9143		04-006/05:38:54.7
14367	M1O	04-006/05:49:58.1		NOTE: Apoapsis 9143 -		04-006/05:40:20.2
14368	M1O	04-006/05:57:58.8		NOTE: EXIT HGA KEEP OUT ZONE		
14369	M1O	04-006/06:05:37.9		NOTE: Exit Earth Occultation 9143		04-006/05:56:00.1
14370	M1O	04-006/06:05:37.9	43	Acquisition Of X-Band Signal		
14371	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		
14372	M1O	04-006/06:07:20.4		NOTE: Exit Planetary Atmosphere 9143		04-006/05:57:42.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14373	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
14374	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		
14375	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
14376	M1O	04-006/06:12:19.9		SPAWN, Engine = 65535, Parameters = 006, 01, FALSE, 00:13:50.549, 254, FALSE, 32_KPS, 00:02:00, 00:00:00	uhf	04-006/06:02:42.0
14377	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
14378	M1O	04-006/06:12:23.0		CALL, Engine = , Parameters = 254	get_cmd_opt	04-006/06:02:45.1
14379	M1O	04-006/06:13:05.2		CALL, Engine = , Parameters = 254	get_apid	04-006/06:03:27.3
14380	M1O	04-006/06:13:06.3		CALL, Engine = , Parameters = 254	get_rcv_mode	04-006/06:03:28.4
14381	M1O	04-006/06:13:06.5		CALL, Engine = , Parameters = 254	get_dl_rate	04-006/06:03:28.6
14382	M1O	04-006/06:13:07.6		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-006/06:03:29.7
14383	M1O	04-006/06:13:08.9		CALL, Engine = , Parameters = 254	get_coding	04-006/06:03:31.0
14384	M1O	04-006/06:13:10.1		CALL, Engine = , Parameters = 254	get_xmt_mode	04-006/06:03:32.2
14385	M1O	04-006/06:13:11.3		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-006/06:03:33.4
14386	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
14387	M1O	04-006/06:14:17.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-006/06:04:39.2
14388	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
14389	M1O	04-006/06:14:19.1		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-006/06:04:41.2
14390	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
14391	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
14392	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
14393	M1O	04-006/06:18:32.9		NOTE: Descending Node Crossing 9144		04-006/06:08:55.0
14394	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
14395	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
14396	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
14397	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
14398	M1O	04-006/06:47:53.7		NOTE: South Pole Crossing 9144		04-006/06:38:15.6
14399	M1O	04-006/06:48:57.3		NOTE: Periapsis 9144 ----------		04-006/06:39:19.3
14400	M1O	04-006/07:09:38.0		SPAWN, Engine = 65535, Parameters =	scdiag	04-006/07:00:00.0
14401	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
14402	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
14403	M1O	04-006/07:10:41.0		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-006/07:01:03.0
14404	M1O	04-006/07:10:41.2		NOTE: Start Block fsw_diag		04-006/07:01:03.2
14405	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
14406	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
14407	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
14408	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
14409	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
14410	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
14411	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14412	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
14413	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
14414	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
14415	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
14416	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
14417	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
14418	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
14419	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
14420	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
14421	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
14422	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
14423	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
14424	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
14425	M1O	04-006/07:13:52.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-006/07:04:14.2
14426	M1O	04-006/07:14:03.2		NOTE: End Block fsw_diag.mod		04-006/07:04:25.2
14427	M1O	04-006/07:16:05.6		NOTE: Enter Solar Eclipse 9144		04-006/07:06:27.5
14428	M1O	04-006/07:17:11.5		NOTE: Ascending Node Crossing 9144		04-006/07:07:33.4
14429	M1O	04-006/07:36:36.1		NOTE: Exit Solar Eclipse 9144		04-006/07:26:58.0
14430	M1O	04-006/07:37:11.1		SPAWN, Engine = 65535, Parameters = 3, 00:32:28.777, 1	dpt	04-006/07:27:33.0
14431	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
14432	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		
14433	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
14434	M1O	04-006/07:38:13.1		NOTE: ENTER HGA KEEP OUT ZONE		
14435	M1O	04-006/07:38:13.1	43	NOTE: Loss Of X-Band Signal		
14436	M1O	04-006/07:45:26.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14437	M1O	04-006/07:45:26.2		NOTE: Enter Planetary Atmosphere 9144		04-006/07:35:48.0
14438	M1O	04-006/07:47:08.0		NOTE: Enter Earth Occultation 9144		04-006/07:37:29.8
14439	M1O	04-006/07:47:08.6		NOTE: North Pole Crossing 9144		04-006/07:37:30.4
14440	M1O	04-006/07:48:55.0		NOTE: Apoapsis 9144 -		04-006/07:39:16.8
14441	M1O	04-006/07:50:26.0	43	Range Modulation On: SUP=3.0dB		
14442	M1O	04-006/07:51:26.0	43	Begin Ranging Acquisition		
14443	M1O	04-006/07:56:13.2		NOTE: EXIT HGA KEEP OUT ZONE		
14444	M1O	04-006/08:04:10.7		NOTE: Exit Earth Occultation 9144		04-006/07:54:32.5
14445	M1O	04-006/08:04:10.7	43	Acquisition Of X-Band Signal		
14446	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		
14447	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		
14448	M1O	04-006/08:05:53.6		NOTE: Exit Planetary Atmosphere 9144		04-006/07:56:15.3
14449	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
14450	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
14451	M1O	04-006/08:07:06.3		CALL, Engine = , Parameters = 254	get_cmd_opt	04-006/07:57:28.1
14452	M1O	04-006/08:07:06.6		CALL, Engine = , Parameters = 006, 02, 254	bld_autosw	04-006/07:57:28.4
14453	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
14454	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
14455	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
14456	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14457	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
14458	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
14459	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
14460	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
14461	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
14462	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
14463	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
14464	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
14465	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
14466	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
14467	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
14468	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
14469	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
14470	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
14471	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
14472	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
14473	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
14474	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
14475	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
14476	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
14477	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
14478	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
14479	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
14480	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
14481	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
14482	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
14483	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
14484	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
14485	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
14486	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
14487	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
14488	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
14489	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
14490	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
14491	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
14492	M1O	04-006/08:07:48.6		CALL, Engine = , Parameters = 254	get_apid	04-006/07:58:10.4
14493	M1O	04-006/08:07:49.7		CALL, Engine = , Parameters = 254	get_rcv_mode	04-006/07:58:11.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14494	M1O	04-006/08:07:49.9		CALL, Engine = , Parameters = 254	get_dl_rate	04-006/07:58:11.7
14495	M1O	04-006/08:07:51.0		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-006/07:58:12.8
14496	M1O	04-006/08:07:52.3		CALL, Engine = , Parameters = 254	get_coding	04-006/07:58:14.1
14497	M1O	04-006/08:07:53.5		CALL, Engine = , Parameters = 254	get_xmt_mode	04-006/07:58:15.3
14498	M1O	04-006/08:07:54.7		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-006/07:58:16.5
14499	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
14500	M1O	04-006/08:09:00.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-006/07:59:22.3
14501	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
14502	M1O	04-006/08:09:02.5		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-006/07:59:24.3
14503	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
14504	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
14505	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
14506	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
14507	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		
14508	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
14509	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		
14510	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
14511	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
14512	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
14513	M1O	04-006/08:17:09.0		NOTE: Descending Node Crossing 9145		04-006/08:07:30.8
14514	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
14515	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
14516	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
14517	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
14518	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
14519	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		
14520	M1O	04-006/08:27:59.7		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-006/08:18:21.4
14521	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
14522	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		
14523	M1O	04-006/08:46:30.6		NOTE: South Pole Crossing 9145		04-006/08:36:52.3
14524	M1O	04-006/08:48:00.3		NOTE: Periapsis 9145 ----------		04-006/08:38:21.9
14525	M1O	04-006/09:02:51.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
14526	M1O	04-006/09:12:51.0	43	Range Modulation Off		
14527	M1O	04-006/09:14:41.0		NOTE: Enter Solar Eclipse 9145		04-006/09:05:02.5
14528	M1O	04-006/09:15:48.5		NOTE: Ascending Node Crossing 9145		04-006/09:06:10.0
14529	M1O	04-006/09:17:51.0	43	X-Band Transmitter Off		
14530	M1O	04-006/09:35:13.0		NOTE: Exit Solar Eclipse 9145		04-006/09:25:34.4
14531	M1O	04-006/09:36:05.3		SPAWN, Engine = 65535, Parameters = 3, 00:32:10, 1	dpt	04-006/09:26:26.7
14532	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
14533	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		
14534	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14535	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		
14536	M1O	04-006/09:37:08.5		NOTE: ENTER HGA KEEP OUT ZONE		
14537	M1O	04-006/09:37:08.5	43	NOTE: Loss Of X-Band Signal		
14538	M1O	04-006/09:44:01.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14539	M1O	04-006/09:44:02.3		NOTE: Enter Planetary Atmosphere 9145		04-006/09:34:23.8
14540	M1O	04-006/09:45:44.3		NOTE: Enter Earth Occultation 9145		04-006/09:36:05.8
14541	M1O	04-006/09:45:45.1		NOTE: North Pole Crossing 9145		04-006/09:36:06.6
14542	M1O	04-006/09:48:01.5		NOTE: Apoapsis 9145 -		04-006/09:38:22.9
14543	M1O	04-006/09:49:01.0	43	Range Modulation On: SUP=3.0dB		
14544	M1O	04-006/09:50:01.0	43	Begin Ranging Acquisition		
14545	M1O	04-006/09:54:48.5		NOTE: EXIT HGA KEEP OUT ZONE		
14546	M1O	04-006/10:02:45.7		NOTE: Exit Earth Occultation 9145		04-006/09:53:07.0
14547	M1O	04-006/10:02:45.7	43	Acquisition Of X-Band Signal		
14548	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		
14549	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		
14550	M1O	04-006/10:04:28.6		NOTE: Exit Planetary Atmosphere 9145		04-006/09:54:50.0
14551	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
14552	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		
14553	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
14554	M1O	04-006/10:15:45.8		NOTE: Descending Node Crossing 9146		04-006/10:06:07.1
14555	M1O	04-006/10:45:07.0		NOTE: South Pole Crossing 9146		04-006/10:35:28.2
14556	M1O	04-006/10:46:51.3		NOTE: Periapsis 9146 ----------		04-006/10:37:12.5
14557	M1O	04-006/11:01:28.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
14558	M1O	04-006/11:11:28.0	43	Range Modulation Off		
14559	M1O	04-006/11:13:14.2		NOTE: Enter Solar Eclipse 9146		04-006/11:03:35.4
14560	M1O	04-006/11:14:23.9		NOTE: Ascending Node Crossing 9146		04-006/11:04:45.0
14561	M1O	04-006/11:16:28.0	43	X-Band Transmitter Off		
14562	M1O	04-006/11:33:49.7		NOTE: Exit Solar Eclipse 9146		04-006/11:24:10.8
14563	M1O	04-006/11:34:42.6		SPAWN, Engine = 65535, Parameters = 3, 00:32:07.882, 1	dpt	04-006/11:25:03.7
14564	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
14565	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		
14566	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
14567	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		
14568	M1O	04-006/11:35:45.9		NOTE: ENTER HGA KEEP OUT ZONE		
14569	M1O	04-006/11:35:45.9	43	NOTE: Loss Of X-Band Signal		
14570	M1O	04-006/11:42:35.3		NOTE: Enter Planetary Atmosphere 9146		04-006/11:32:56.4
14571	M1O	04-006/11:42:37.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14572	M1O	04-006/11:44:17.0		NOTE: Enter Earth Occultation 9146		04-006/11:34:38.0
14573	M1O	04-006/11:44:20.4		NOTE: North Pole Crossing 9146		04-006/11:34:41.5
14574	M1O	04-006/11:46:39.5		NOTE: Apoapsis 9146 -		04-006/11:37:00.5
14575	M1O	04-006/11:47:37.0	43	Range Modulation On: SUP=3.0dB		
14576	M1O	04-006/11:48:37.0	43	Begin Ranging Acquisition		
14577	M1O	04-006/11:53:25.9		NOTE: EXIT HGA KEEP OUT ZONE		
14578	M1O	04-006/12:01:22.4		NOTE: Exit Earth Occultation 9146		04-006/11:51:43.5
14579	M1O	04-006/12:01:22.4	43	Acquisition Of X-Band Signal		
14580	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,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
14581	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		
14582	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
14583	M1O	04-006/12:02:10.0		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	04-006/11:52:31.1
14584	M1O	04-006/12:02:12.0		CALL, Engine = , Parameters = 56	get_cmd_opt	04-006/11:52:33.1
14585	M1O	04-006/12:02:12.3		CALL, Engine = , Parameters = 006, 02, 056	bld_autosw	04-006/11:52:33.4
14586	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
14587	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
14588	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
14589	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
14590	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
14591	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
14592	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
14593	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
14594	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
14595	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
14596	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
14597	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
14598	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
14599	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
14600	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
14601	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
14602	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
14603	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
14604	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
14605	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
14606	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
14607	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
14608	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
14609	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
14610	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
14611	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
14612	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
14613	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
14614	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
14615	M1O	04-006/12:02:43.9		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-006/11:53:05.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy006_pass02_file15.dat, d:/dat/autoswitch.dat		
14616	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
14617	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
14618	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
14619	M1O	04-006/12:02:48.1		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy006_pass02_file17.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-006/11:53:09.2
14620	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
14621	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
14622	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
14623	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
14624	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
14625	M1O	04-006/12:02:54.3		CALL, Engine = , Parameters = 56	get_apid	04-006/11:53:15.4
14626	M1O	04-006/12:02:55.4		CALL, Engine = , Parameters = 56	get_rcv_mode	04-006/11:53:16.5
14627	M1O	04-006/12:02:55.6		CALL, Engine = , Parameters = 56	get_dl_rate	04-006/11:53:16.7
14628	M1O	04-006/12:02:56.7		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-006/11:53:17.8
14629	M1O	04-006/12:02:57.9		CALL, Engine = , Parameters = 56	get_coding	04-006/11:53:19.0
14630	M1O	04-006/12:02:59.1		CALL, Engine = , Parameters = 56	get_xmt_mode	04-006/11:53:20.2
14631	M1O	04-006/12:03:00.3		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-006/11:53:21.4
14632	M1O	04-006/12:03:05.2		NOTE: Exit Planetary Atmosphere 9146		04-006/11:53:26.2
14633	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
14634	M1O	04-006/12:04:06.1		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-006/11:54:27.2
14635	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
14636	M1O	04-006/12:04:08.1		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-006/11:54:29.2
14637	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
14638	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
14639	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
14640	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
14641	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
14642	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
14643	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		
14644	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
14645	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		
14646	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
14647	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
14648	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
14649	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
14650	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
14651	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
14652	M1O	04-006/12:11:13.2		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	04-006/12:01:34.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				BYPASS_COD, PSK		
14653	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
14654	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
14655	M1O	04-006/12:14:21.1		NOTE: Descending Node Crossing 9147		04-006/12:04:42.1
14656	M1O	04-006/12:15:00.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
14657	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
14658	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
14659	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
14660	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
14661	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
14662	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
14663	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
14664	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
14665	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
14666	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		
14667	M1O	04-006/12:17:57.3		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-006/12:08:18.2
14668	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
14669	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		
14670	M1O	04-006/12:25:00.0	43	Range Modulation Off		
14671	M1O	04-006/12:30:00.0	43	X-Band Transmitter Off		
14672	M1O	04-006/12:35:41.7	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
14673	M1O	04-006/12:41:08.1		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, TRUE	cend	04-006/12:31:29.0
14674	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
14675	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
14676	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
14677	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
14678	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
14679	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
14680	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
14681	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		
14682	M1O	04-006/12:43:01.0	43	NOTE: Below Uplink Interlock Limit		
14683	M1O	04-006/12:43:41.0		NOTE: South Pole Crossing 9147		04-006/12:34:01.9
14684	M1O	04-006/12:45:16.0		NOTE: Periapsis 9147 ----------		04-006/12:35:36.9
14685	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
14686	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		
14687	M1O	04-006/12:48:30.9		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-006/12:38:51.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_nom.cfg		
14688	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
14689	M1O	04-006/12:49:00.9	43	NOTE: Loss Of X-Band Signal		
14690	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
14691	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
14692	M1O	04-006/12:49:12.9		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-006/12:39:33.8
14693	M1O	04-006/12:55:00.0	43	End Tracking		
14694	M1O	04-006/13:10:00.0	43	End Post-Cal		
14695	M1O	04-006/13:11:45.7		NOTE: Enter Solar Eclipse 9147		04-006/13:02:06.5
14696	M1O	04-006/13:12:56.8		NOTE: Ascending Node Crossing 9147		04-006/13:03:17.5
14697	M1O	04-006/13:32:24.5		NOTE: Exit Solar Eclipse 9147		04-006/13:22:45.2
14698	M1O	04-006/13:34:01.2		NOTE: ENTER HGA KEEP OUT ZONE		
14699	M1O	04-006/13:41:04.1		NOTE: Enter Planetary Atmosphere 9147		04-006/13:31:24.9
14700	M1O	04-006/13:42:45.2		NOTE: Enter Earth Occultation 9147		04-006/13:33:05.9
14701	M1O	04-006/13:42:53.1		NOTE: North Pole Crossing 9147		04-006/13:33:13.8
14702	M1O	04-006/13:44:53.6		NOTE: Apoapsis 9147 -		04-006/13:35:14.3
14703	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
14704	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
14705	M1O	04-006/13:50:41.4		CALL, Engine = , Parameters = 56	get_cmd_opt	04-006/13:41:02.1
14706	M1O	04-006/13:50:41.7		CALL, Engine = , Parameters = 006, 03, 056	bld_autosw	04-006/13:41:02.4
14707	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
14708	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
14709	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
14710	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
14711	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
14712	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
14713	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
14714	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
14715	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
14716	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
14717	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
14718	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
14719	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
14720	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
14721	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
14722	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
14723	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
14724	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
14725	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
14726	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
14727	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

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14728	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
14729	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
14730	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
14731	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
14732	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
14733	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
14734	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
14735	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
14736	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
14737	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
14738	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
14739	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
14740	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
14741	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
14742	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
14743	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
14744	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
14745	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
14746	M1O	04-006/13:51:23.7		CALL, Engine = , Parameters = 56	get_apid	04-006/13:41:44.4
14747	M1O	04-006/13:51:24.8		CALL, Engine = , Parameters = 56	get_rcv_mode	04-006/13:41:45.5
14748	M1O	04-006/13:51:25.0		CALL, Engine = , Parameters = 56	get_dl_rate	04-006/13:41:45.7
14749	M1O	04-006/13:51:26.1		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-006/13:41:46.8
14750	M1O	04-006/13:51:27.3		CALL, Engine = , Parameters = 56	get_coding	04-006/13:41:48.0
14751	M1O	04-006/13:51:28.5		CALL, Engine = , Parameters = 56	get_xmt_mode	04-006/13:41:49.2
14752	M1O	04-006/13:51:29.7		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-006/13:41:50.4
14753	M1O	04-006/13:52:01.3		NOTE: EXIT HGA KEEP OUT ZONE		
14754	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
14755	M1O	04-006/13:52:35.5		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-006/13:42:56.2
14756	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
14757	M1O	04-006/13:52:37.5		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-006/13:42:58.2
14758	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
14759	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
14760	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
14761	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
14762	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
14763	M1O	04-006/13:55:00.0	63	Begin Pre-Cal		
14764	M1O	04-006/13:55:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
14765	M1O	04-006/13:55:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
14766	M1O	04-006/13:55:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
14767	M1O	04-006/13:55:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
14768	M1O	04-006/13:55:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14769	M1O	04-006/13:55:00.0	63	Config: RCV: Parms:		
14770	M1O	04-006/13:55:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
14771	M1O	04-006/13:55:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
14772	M1O	04-006/13:55:00.0	63	Config: TXL		
14773	M1O	04-006/13:55:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
14774	M1O	04-006/13:55:00.0	63	Config: CMD		
14775	M1O	04-006/13:55:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
14776	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
14777	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
14778	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
14779	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
14780	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
14781	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
14782	M1O	04-006/13:59:57.8		NOTE: Exit Earth Occultation 9147		04-006/13:50:18.5
14783	M1O	04-006/14:01:40.0		NOTE: Exit Planetary Atmosphere 9147		04-006/13:52:00.6
14784	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
14785	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
14786	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
14787	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
14788	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
14789	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
14790	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
14791	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
14792	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
14793	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
14794	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
14795	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
14796	M1O	04-006/14:12:53.1		NOTE: Descending Node Crossing 9148		04-006/14:03:13.7
14797	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
14798	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
14799	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
14800	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14801	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
14802	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
14803	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
14804	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
14805	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
14806	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
14807	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
14808	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
14809	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
14810	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
14811	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
14812	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
14813	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
14814	M1O	04-006/14:24:52.7		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-006/14:15:13.3
14815	M1O	04-006/14:42:12.4		NOTE: South Pole Crossing 9148		04-006/14:32:32.9
14816	M1O	04-006/14:43:27.7		NOTE: Periapsis 9148 ----------		04-006/14:33:48.2
14817	M1O	04-006/15:10:18.0		NOTE: Enter Solar Eclipse 9148		04-006/15:00:38.4
14818	M1O	04-006/15:11:28.2		NOTE: Ascending Node Crossing 9148		04-006/15:01:48.7
14819	M1O	04-006/15:24:35.6		SPAWN, Engine = 65535, Parameters = 00:38:58.907	cstr	04-006/15:14:55.9
14820	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
14821	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
14822	M1O	04-006/15:24:37.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-006/15:14:58.0
14823	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
14824	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
14825	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
14826	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
14827	M1O	04-006/15:25:00.0	63	Begin Tracking		
14828	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		
14829	M1O	04-006/15:30:55.6		NOTE: Exit Solar Eclipse 9148		04-006/15:21:16.0
14830	M1O	04-006/15:32:32.6		NOTE: ENTER HGA KEEP OUT ZONE		
14831	M1O	04-006/15:32:32.6	63	NOTE: Loss Of X-Band Signal		
14832	M1O	04-006/15:39:34.5		NOTE: Enter Planetary Atmosphere 9148		04-006/15:29:54.9
14833	M1O	04-006/15:39:41.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14834	M1O	04-006/15:41:15.7		NOTE: Enter Earth Occultation 9148		04-006/15:31:36.0
14835	M1O	04-006/15:41:24.1		NOTE: North Pole Crossing 9148		04-006/15:31:44.5
14836	M1O	04-006/15:43:19.1		NOTE: Apoapsis 9148 -		04-006/15:33:39.5
14837	M1O	04-006/15:44:41.0	63	Range Modulation On: SUP=3.0dB		
14838	M1O	04-006/15:45:41.0	63	Begin Ranging Acquisition		
14839	M1O	04-006/15:50:32.6		NOTE: EXIT HGA KEEP OUT ZONE		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14840	M1O	04-006/15:58:27.9		NOTE: Exit Earth Occultation 9148		04-006/15:48:48.2
14841	M1O	04-006/15:58:27.9	63	Acquisition Of X-Band Signal		
14842	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		
14843	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		
14844	M1O	04-006/16:00:10.1		NOTE: Exit Planetary Atmosphere 9148		04-006/15:50:30.4
14845	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
14846	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
14847	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		
14848	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
14849	M1O	04-006/16:11:23.5		NOTE: Descending Node Crossing 9149		04-006/16:01:43.7
14850	M1O	04-006/16:40:43.4		NOTE: South Pole Crossing 9149		04-006/16:31:03.5
14851	M1O	04-006/16:41:52.9		NOTE: Periapsis 9149 ----------		04-006/16:32:13.1
14852	M1O	04-006/16:56:43.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
14853	M1O	04-006/17:06:43.0	63	Range Modulation Off		
14854	M1O	04-006/17:08:51.3		NOTE: Enter Solar Eclipse 9149		04-006/16:59:11.4
14855	M1O	04-006/17:10:00.4		NOTE: Ascending Node Crossing 9149		04-006/17:00:20.5
14856	M1O	04-006/17:11:43.0	63	X-Band Transmitter Off		
14857	M1O	04-006/17:29:22.8		NOTE: Exit Solar Eclipse 9149		04-006/17:19:42.8
14858	M1O	04-006/17:29:59.9		SPAWN, Engine = 65535, Parameters = 3, 00:32:24, 1	dpt	04-006/17:20:19.8
14859	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
14860	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		
14861	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
14862	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		
14863	M1O	04-006/17:31:03.0		NOTE: ENTER HGA KEEP OUT ZONE		
14864	M1O	04-006/17:31:03.0	63	NOTE: Loss Of X-Band Signal		
14865	M1O	04-006/17:38:07.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14866	M1O	04-006/17:38:14.6		NOTE: Enter Planetary Atmosphere 9149		04-006/17:28:34.6
14867	M1O	04-006/17:39:57.1		NOTE: Enter Earth Occultation 9149		04-006/17:30:17.0
14868	M1O	04-006/17:39:57.3		NOTE: North Pole Crossing 9149		04-006/17:30:17.3
14869	M1O	04-006/17:41:59.0		NOTE: Apoapsis 9149 -		04-006/17:32:19.0
14870	M1O	04-006/17:43:07.0	63	Range Modulation On: SUP=3.0dB		
14871	M1O	04-006/17:44:07.0	63	Begin Ranging Acquisition		
14872	M1O	04-006/17:49:03.0		NOTE: EXIT HGA KEEP OUT ZONE		
14873	M1O	04-006/17:56:54.8		NOTE: Exit Earth Occultation 9149		04-006/17:47:14.7
14874	M1O	04-006/17:56:54.8	63	Acquisition Of X-Band Signal		
14875	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		
14876	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		
14877	M1O	04-006/17:58:38.3		NOTE: Exit Planetary Atmosphere 9149		04-006/17:48:58.2
14878	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
14879	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		
14880	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
14881	M1O	04-006/18:09:57.8		NOTE: Descending Node Crossing 9150		04-006/18:00:17.7
14882	M1O	04-006/18:39:18.1		NOTE: South Pole Crossing 9150		04-006/18:29:37.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14883	M1O	04-006/18:40:34.2		NOTE: Periapsis 9150 ----------		04-006/18:30:54.0
14884	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
14885	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
14886	M1O	04-006/18:51:25.3		CALL, Engine = , Parameters = 254	get_cmd_opt	04-006/18:41:45.1
14887	M1O	04-006/18:52:07.5		CALL, Engine = , Parameters = 254	get_apid	04-006/18:42:27.3
14888	M1O	04-006/18:52:08.6		CALL, Engine = , Parameters = 254	get_rcv_mode	04-006/18:42:28.4
14889	M1O	04-006/18:52:08.8		CALL, Engine = , Parameters = 254	get_dl_rate	04-006/18:42:28.6
14890	M1O	04-006/18:52:09.9		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-006/18:42:29.7
14891	M1O	04-006/18:52:11.2		CALL, Engine = , Parameters = 254	get_coding	04-006/18:42:31.0
14892	M1O	04-006/18:52:12.4		CALL, Engine = , Parameters = 254	get_xmt_mode	04-006/18:42:32.2
14893	M1O	04-006/18:52:13.6		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-006/18:42:33.4
14894	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
14895	M1O	04-006/18:53:19.4		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-006/18:43:39.2
14896	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
14897	M1O	04-006/18:53:21.4		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-006/18:43:41.2
14898	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
14899	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
14900	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
14901	M1O	04-006/18:55:35.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
14902	M1O	04-006/19:05:35.0	63	Range Modulation Off		
14903	M1O	04-006/19:07:25.8		NOTE: Enter Solar Eclipse 9150		04-006/18:57:45.4
14904	M1O	04-006/19:08:35.2		NOTE: Ascending Node Crossing 9150		04-006/18:58:54.9
14905	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
14906	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
14907	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
14908	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
14909	M1O	04-006/19:10:35.0	63	X-Band Transmitter Off		
14910	M1O	04-006/19:27:53.1		NOTE: Exit Solar Eclipse 9150		04-006/19:18:12.7
14911	M1O	04-006/19:28:53.3		SPAWN, Engine = 65535, Parameters = 3, 00:32:02, 1	dpt	04-006/19:19:13.0
14912	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
14913	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		
14914	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
14915	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		
14916	M1O	04-006/19:29:57.3		NOTE: ENTER HGA KEEP OUT ZONE		
14917	M1O	04-006/19:29:57.3	63	NOTE: Loss Of X-Band Signal		
14918	M1O	04-006/19:36:37.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
14919	M1O	04-006/19:36:56.4		NOTE: Enter Planetary Atmosphere 9150		04-006/19:27:16.0
14920	M1O	04-006/19:38:33.2		NOTE: North Pole Crossing 9150		04-006/19:28:52.8
14921	M1O	04-006/19:38:39.8		NOTE: Enter Earth Occultation 9150		04-006/19:28:59.4
14922	M1O	04-006/19:40:30.1		NOTE: Apoapsis 9150 -		04-006/19:30:49.7
14923	M1O	04-006/19:41:37.0	63	Range Modulation On: SUP=3.0dB		
14924	M1O	04-006/19:42:37.0	63	Begin Ranging Acquisition		
14925	M1O	04-006/19:47:37.4		NOTE: EXIT HGA KEEP OUT ZONE		
14926	M1O	04-006/19:55:26.3		NOTE: Exit Earth Occultation 9150		04-006/19:45:45.8
14927	M1O	04-006/19:55:26.3	63	Acquisition Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14928	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		
14929	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		
14930	M1O	04-006/19:57:10.8		NOTE: Exit Planetary Atmosphere 9150		04-006/19:47:30.4
14931	M1O	04-006/20:00:57.5		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-006/19:51:17.1
14932	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		
14933	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
14934	M1O	04-006/20:08:34.9		NOTE: Descending Node Crossing 9151		04-006/19:58:54.4
14935	M1O	04-006/20:37:55.1		NOTE: South Pole Crossing 9151		04-006/20:28:14.5
14936	M1O	04-006/20:39:11.9		NOTE: Periapsis 9151 ----------		04-006/20:29:31.3
14937	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
14938	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
14939	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		
14940	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
14941	M1O	04-006/20:48:03.7		CALL, Engine = , Parameters = 254	get_cmd_opt	04-006/20:38:23.1
14942	M1O	04-006/20:48:04.0		CALL, Engine = , Parameters = 006, 04, 254	bld_autosw	04-006/20:38:23.4
14943	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
14944	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
14945	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
14946	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
14947	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
14948	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
14949	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
14950	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
14951	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
14952	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
14953	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
14954	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
14955	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
14956	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
14957	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
14958	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
14959	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
14960	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
14961	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
14962	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
14963	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
14964	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
14965	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
14966	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
14967	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
14968	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
14969	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
14970	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
14971	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
14972	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
14973	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
14974	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
14975	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
14976	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
14977	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
14978	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
14979	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
14980	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
14981	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
14982	M1O	04-006/20:48:46.0		CALL, Engine = , Parameters = 254	get_apid	04-006/20:39:05.4
14983	M1O	04-006/20:48:47.1		CALL, Engine = , Parameters = 254	get_rcv_mode	04-006/20:39:06.5
14984	M1O	04-006/20:48:47.3		CALL, Engine = , Parameters = 254	get_dl_rate	04-006/20:39:06.7
14985	M1O	04-006/20:48:48.4		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-006/20:39:07.8
14986	M1O	04-006/20:48:49.7		CALL, Engine = , Parameters = 254	get_coding	04-006/20:39:09.1
14987	M1O	04-006/20:48:50.9		CALL, Engine = , Parameters = 254	get_xmt_mode	04-006/20:39:10.3
14988	M1O	04-006/20:48:52.1		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-006/20:39:11.5
14989	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
14990	M1O	04-006/20:49:57.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-006/20:40:17.3
14991	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
14992	M1O	04-006/20:49:59.9		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-006/20:40:19.3
14993	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
14994	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
14995	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
14996	M1O	04-006/20:54:12.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
14997	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
14998	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
14999	M1O	04-006/21:04:12.0	63	Range Modulation Off		
15000	M1O	04-006/21:06:01.7		NOTE: Enter Solar Eclipse 9151		04-006/20:56:21.0
15001	M1O	04-006/21:07:11.7		NOTE: Ascending Node Crossing 9151		04-006/20:57:31.1
15002	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
15003	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15004	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
15005	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
15006	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
15007	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		
15008	M1O	04-006/21:07:51.0		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-006/20:58:10.4
15009	M1O	04-006/21:09:12.0	63	X-Band Transmitter Off		
15010	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
15011	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		
15012	M1O	04-006/21:26:28.1		NOTE: Exit Solar Eclipse 9151		04-006/21:16:47.4
15013	M1O	04-006/21:27:30.7		SPAWN, Engine = 65535, Parameters = 3, 00:32:01, 1	dpt	04-006/21:17:50.0
15014	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
15015	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		
15016	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
15017	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		
15018	M1O	04-006/21:28:34.7		NOTE: ENTER HGA KEEP OUT ZONE		
15019	M1O	04-006/21:28:34.7	63	NOTE: Loss Of X-Band Signal		
15020	M1O	04-006/21:35:13.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
15021	M1O	04-006/21:35:33.7		NOTE: Enter Planetary Atmosphere 9151		04-006/21:25:53.0
15022	M1O	04-006/21:37:09.9		NOTE: North Pole Crossing 9151		04-006/21:27:29.1
15023	M1O	04-006/21:37:17.2		NOTE: Enter Earth Occultation 9151		04-006/21:27:36.5
15024	M1O	04-006/21:38:55.0		NOTE: Apoapsis 9151 -		04-006/21:29:14.2
15025	M1O	04-006/21:40:13.0	63	Range Modulation On: SUP=3.0dB		
15026	M1O	04-006/21:41:13.0	63	Begin Ranging Acquisition		
15027	M1O	04-006/21:45:00.0	14	Begin Pre-Cal		
15028	M1O	04-006/21:45:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
15029	M1O	04-006/21:45:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
15030	M1O	04-006/21:45:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
15031	M1O	04-006/21:45:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
15032	M1O	04-006/21:45:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
15033	M1O	04-006/21:45:00.0	14	Config: RCV: Parms:		
15034	M1O	04-006/21:45:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
15035	M1O	04-006/21:45:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
15036	M1O	04-006/21:45:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
15037	M1O	04-006/21:46:14.8		NOTE: EXIT HGA KEEP OUT ZONE		
15038	M1O	04-006/21:54:02.7		NOTE: Exit Earth Occultation 9151		04-006/21:44:21.9
15039	M1O	04-006/21:54:02.7	63	Acquisition Of X-Band Signal		
15040	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		
15041	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		
15042	M1O	04-006/21:55:47.4		NOTE: Exit Planetary Atmosphere 9151		04-006/21:46:06.5
15043	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
15044	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		
15045	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
15046	M1O	04-006/22:07:11.6		NOTE: Descending Node Crossing 9152		04-006/21:57:30.8
15047	M1O	04-006/22:36:31.8		NOTE: South Pole Crossing 9152		04-006/22:26:50.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15048	M1O	04-006/22:37:44.2		NOTE: Periapsis 9152 ----------		04-006/22:28:03.2
15049	M1O	04-006/22:52:49.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
15050	M1O	04-006/23:02:49.0	63	Range Modulation Off		
15051	M1O	04-006/23:04:38.5		NOTE: Enter Solar Eclipse 9152		04-006/22:54:57.5
15052	M1O	04-006/23:05:48.5		NOTE: Ascending Node Crossing 9152		04-006/22:56:07.5
15053	M1O	04-006/23:07:49.0	63	X-Band Transmitter Off		
15054	M1O	04-006/23:15:37.7	63	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
15055	M1O	04-006/23:24:54.0	63	NOTE: Below Uplink Interlock Limit		
15056	M1O	04-006/23:25:06.5		NOTE: Exit Solar Eclipse 9152		04-006/23:15:25.4
15057	M1O	04-006/23:26:08.1		SPAWN, Engine = 65535, Parameters = 3, 00:31:31.468, 1	dpt	04-006/23:16:27.0
15058	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
15059	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		
15060	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
15061	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		
15062	M1O	04-006/23:27:12.1		NOTE: ENTER HGA KEEP OUT ZONE		
15063	M1O	04-006/23:27:12.1	63	NOTE: Loss Of X-Band Signal		
15064	M1O	04-006/23:34:05.4		NOTE: Enter Planetary Atmosphere 9152		04-006/23:24:24.2
15065	M1O	04-006/23:35:00.0	63	End Tracking		
15066	M1O	04-006/23:35:45.8		NOTE: North Pole Crossing 9152		04-006/23:26:04.7
15067	M1O	04-006/23:35:48.1		NOTE: Enter Earth Occultation 9152		04-006/23:26:07.0
15068	M1O	04-006/23:37:18.5		NOTE: Apoapsis 9152 -		04-006/23:27:37.3
15069	M1O	04-006/23:44:52.1		NOTE: EXIT HGA KEEP OUT ZONE		
15070	M1O	04-006/23:45:00.0	14	Begin Tracking		
15071	M1O	04-006/23:50:00.0	63	End Post-Cal		
15072	M1O	04-006/23:52:41.6		NOTE: Exit Earth Occultation 9152		04-006/23:43:00.4
15073	M1O	04-006/23:52:41.6	14	Acquisition Of X-Band Signal		
15074	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		
15075	M1O	04-006/23:54:25.5		NOTE: Exit Planetary Atmosphere 9152		04-006/23:44:44.3
15076	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
15077	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		
15078	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
15079	M1O	04-007/00:00:00.0		Light Time: OWLT = 09:41, RTLT = 19:22		
15080	M1O	04-007/00:05:46.4		NOTE: Descending Node Crossing 9153		04-006/23:56:05.1
15081	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
15082	M1O	04-007/00:18:47.3		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-007/00:09:06.1
15083	M1O	04-007/00:18:48.3		Forces a desaturation of the reaction wheels.	RW_DESAT	04-007/00:09:07.1
15084	M1O	04-007/00:22:10.2		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-007/00:12:29.0
15085	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
15086	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
15087	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
15088	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
15089	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
15090	M1O	04-007/00:22:31.0		Queues in the retransmit buffer, by time range, designated packet from the specified	PCKTS_RE_TX_TIME	04-007/00:12:49.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				APID.: 13, 2004-005T00:12:29.100, 2004-007T00:12:29.100		
15091	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
15092	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		
15093	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
15094	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		
15095	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
15096	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
15097	M1O	04-007/00:29:49.1	14	D/L RF Warning: SC antenna change - expect signal level variation		
15098	M1O	04-007/00:29:50.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-007/00:20:08.8
15099	M1O	04-007/00:30:18.4		CALL, Engine = , Parameters = FALSE	park_hga	04-007/00:20:37.1
15100	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
15101	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
15102	M1O	04-007/00:30:20.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-007/00:20:39.1
15103	M1O	04-007/00:30:20.4		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-007/00:20:39.1
15104	M1O	04-007/00:30:20.4		NOTE: START HGA PARK		
15105	M1O	04-007/00:30:20.4	14	NOTE: Loss Of X-Band Signal		
15106	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
15107	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
15108	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
15109	M1O	04-007/00:35:06.5		NOTE: South Pole Crossing 9153		04-007/00:25:25.1
15110	M1O	04-007/00:36:21.1		NOTE: Periapsis 9153 ----------		04-007/00:26:39.8
15111	M1O	04-007/00:38:22.4		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-007/00:28:41.1
15112	M1O	04-007/00:38:22.4		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-007/00:28:41.1
15113	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
15114	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
15115	M1O	04-007/00:57:46.5		CALL, Engine = , Parameters = 56	get_cmd_opt	04-007/00:48:05.1
15116	M1O	04-007/00:57:46.8		CALL, Engine = , Parameters = 007, 01, 056	bld_autosw	04-007/00:48:05.4
15117	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
15118	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
15119	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
15120	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
15121	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
15122	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
15123	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
15124	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
15125	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
15126	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
15127	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
15128	M1O	04-007/00:57:59.5		Appends the source_path file onto the end of the target_path file.:	FILE_APPEND	04-007/00:48:18.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/056_doy007_pass01_file06.dat, d:/dat/autoswitch.dat		
15129	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
15130	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
15131	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
15132	M1O	04-007/00:58:03.7		Appends the source_path file onto the end of the target_path file.: d:/dat/056_doy007_pass01_file08.dat, d:/dat/autoswitch.dat	FILE_APPEND	04-007/00:48:22.3
15133	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
15134	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
15135	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
15136	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
15137	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
15138	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
15139	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
15140	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
15141	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
15142	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
15143	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
15144	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
15145	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
15146	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
15147	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
15148	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
15149	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
15150	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
15151	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
15152	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
15153	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
15154	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
15155	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
15156	M1O	04-007/00:58:28.8		CALL, Engine = , Parameters = 56	get_apid	04-007/00:48:47.4
15157	M1O	04-007/00:58:29.9		CALL, Engine = , Parameters = 56	get_rcv_mode	04-007/00:48:48.5
15158	M1O	04-007/00:58:30.1		CALL, Engine = , Parameters = 56	get_dl_rate	04-007/00:48:48.7
15159	M1O	04-007/00:58:31.2		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-007/00:48:49.8
15160	M1O	04-007/00:58:32.4		CALL, Engine = , Parameters = 56	get_coding	04-007/00:48:51.0
15161	M1O	04-007/00:58:33.6		CALL, Engine = , Parameters = 56	get_xmt_mode	04-007/00:48:52.2
15162	M1O	04-007/00:58:34.8		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-007/00:48:53.4
15163	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
15164	M1O	04-007/00:59:40.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-007/00:49:59.2
15165	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
15166	M1O	04-007/00:59:42.6		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-007/00:50:01.2
15167	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
15168	M1O	04-007/00:59:44.6		Selects the mode in which the UHF receiver is to operate.: REL_BIT_STR, 32_KPS, PSK,	UHF_RCV_MODE	04-007/00:50:03.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				CONV_VIT		
15169	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
15170	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
15171	M1O	04-007/01:00:45.6		Controls the type of data (none, fill, or lander telemetry) input into the downlink data stream.: RELAY_CMD	DOWNLINK_MODE	04-007/00:51:04.2
15172	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
15173	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
15174	M1O	04-007/01:03:12.6		NOTE: Enter Solar Eclipse 9153		04-007/00:53:31.1
15175	M1O	04-007/01:04:23.1		NOTE: Ascending Node Crossing 9153		04-007/00:54:41.7
15176	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
15177	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
15178	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
15179	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
15180	M1O	04-007/01:08:22.4		GV: GV_DESAT_ACTIVE = 1		04-007/00:58:41.0
15181	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
15182	M1O	04-007/01:08:23.4		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-007/00:58:42.0
15183	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
15184	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
15185	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
15186	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
15187	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
15188	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
15189	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
15190	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
15191	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
15192	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
15193	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
15194	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
15195	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
15196	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
15197	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
15198	M1O	04-007/01:18:08.9		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-007/01:08:27.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15199	M1O	04-007/01:18:22.4		GV: GV_DESAT_ACTIVE = 0		04-007/01:08:41.0
15200	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
15201	M1O	04-007/01:18:24.4		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-007/01:08:43.0
15202	M1O	04-007/01:18:25.4		CALL, Engine = , Parameters =	unpark_hga	04-007/01:08:44.0
15203	M1O	04-007/01:18:25.4		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS, d:/cfg/sam_ga_hga_cps.cfg,	FSW_OBJ_INITIAL	04-007/01:08:44.0
15204	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
15205	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
15206	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
15207	M1O	04-007/01:23:44.1		NOTE: Exit Solar Eclipse 9153		04-007/01:14:02.6
15208	M1O	04-007/01:25:46.4		NOTE: ENTER HGA KEEP OUT ZONE		
15209	M1O	04-007/01:26:57.4		NOTE: EXIT HGA PARK		
15210	M1O	04-007/01:30:00.0	34	Begin Pre-Cal		
15211	M1O	04-007/01:30:00.0	34	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
15212	M1O	04-007/01:30:00.0	34	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
15213	M1O	04-007/01:30:00.0	34	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
15214	M1O	04-007/01:30:00.0	34	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
15215	M1O	04-007/01:30:00.0	34	At BOT: S/C Tlm Mode: BR=0.0, FL=10112, SC=375KHZ, MI=71.7		
15216	M1O	04-007/01:30:00.0	34	Config: RCV: Parms:		
15217	M1O	04-007/01:30:00.0	34	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
15218	M1O	04-007/01:30:00.0	34	Config: TGC: BAND=X, SR=0.000000		
15219	M1O	04-007/01:30:00.0	34	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
15220	M1O	04-007/01:32:33.4		NOTE: Enter Planetary Atmosphere 9153		04-007/01:22:51.9
15221	M1O	04-007/01:34:15.4		NOTE: Enter Earth Occultation 9153		04-007/01:24:33.9
15222	M1O	04-007/01:34:19.3		NOTE: North Pole Crossing 9153		04-007/01:24:37.8
15223	M1O	04-007/01:36:01.3		NOTE: Apoapsis 9153 -		04-007/01:26:19.8
15224	M1O	04-007/01:43:26.5		NOTE: EXIT HGA KEEP OUT ZONE		
15225	M1O	04-007/01:50:52.7		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-007/01:41:11.1
15226	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
15227	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
15228	M1O	04-007/01:50:54.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-007/01:41:13.2
15229	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
15230	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
15231	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
15232	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
15233	M1O	04-007/01:51:17.7		NOTE: Exit Earth Occultation 9153		04-007/01:41:36.1
15234	M1O	04-007/01:51:17.7	14	Acquisition Of X-Band Signal		
15235	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		
15236	M1O	04-007/01:53:00.7		NOTE: Exit Planetary Atmosphere 9153		04-007/01:43:19.2
15237	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
15238	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
15239	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		
15240	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
15241	M1O	04-007/02:04:18.7		NOTE: Descending Node Crossing 9154		04-007/01:54:37.1
15242	M1O	04-007/02:33:38.2		NOTE: South Pole Crossing 9154		04-007/02:23:56.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15243	M1O	04-007/02:34:52.7		NOTE: Periapsis 9154 ----------		04-007/02:25:11.0
15244	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
15245	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
15246	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		
15247	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
15248	M1O	04-007/02:56:31.8		CALL, Engine = , Parameters = 56	get_cmd_opt	04-007/02:46:50.1
15249	M1O	04-007/02:56:32.1		CALL, Engine = , Parameters = 007, 02, 056	bld_autosw	04-007/02:46:50.4
15250	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
15251	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
15252	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
15253	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
15254	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
15255	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
15256	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
15257	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
15258	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
15259	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
15260	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
15261	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
15262	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
15263	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
15264	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
15265	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
15266	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
15267	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
15268	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
15269	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
15270	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
15271	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
15272	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
15273	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
15274	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
15275	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
15276	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
15277	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
15278	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

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15279	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
15280	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
15281	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
15282	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
15283	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
15284	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
15285	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
15286	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
15287	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
15288	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
15289	M1O	04-007/02:57:14.1		CALL, Engine = , Parameters = 56	get_apid	04-007/02:47:32.4
15290	M1O	04-007/02:57:15.2		CALL, Engine = , Parameters = 56	get_rcv_mode	04-007/02:47:33.5
15291	M1O	04-007/02:57:15.4		CALL, Engine = , Parameters = 56	get_dl_rate	04-007/02:47:33.7
15292	M1O	04-007/02:57:16.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-007/02:47:34.8
15293	M1O	04-007/02:57:17.7		CALL, Engine = , Parameters = 56	get_coding	04-007/02:47:36.0
15294	M1O	04-007/02:57:18.9		CALL, Engine = , Parameters = 56	get_xmt_mode	04-007/02:47:37.2
15295	M1O	04-007/02:57:20.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-007/02:47:38.4
15296	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
15297	M1O	04-007/02:58:25.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-007/02:48:44.2
15298	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
15299	M1O	04-007/02:58:27.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-007/02:48:46.2
15300	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
15301	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
15302	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
15303	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
15304	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
15305	M1O	04-007/03:00:00.0	34	Begin Tracking		
15306	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		
15307	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
15308	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
15309	M1O	04-007/03:01:43.2		NOTE: Enter Solar Eclipse 9154		04-007/02:52:01.4
15310	M1O	04-007/03:02:54.3		NOTE: Ascending Node Crossing 9154		04-007/02:53:12.6
15311	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
15312	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
15313	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
15314	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
15315	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
15316	M1O	04-007/03:07:33.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK,	UHF_XMIT_MODE	04-007/02:57:51.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				BYPASS_COD, PSK		
15317	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
15318	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
15319	M1O	04-007/03:11:32.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK, CONV_VIT, DISABLE	UHF_XMIT_MODE	04-007/03:01:50.2
15320	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
15321	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
15322	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
15323	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
15324	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
15325	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
15326	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
15327	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
15328	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		
15329	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		
15330	M1O	04-007/03:14:13.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-007/03:04:31.7
15331	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
15332	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		
15333	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		
15334	M1O	04-007/03:22:15.7		NOTE: Exit Solar Eclipse 9154		04-007/03:12:33.9
15335	M1O	04-007/03:23:16.8		SPAWN, Engine = 65535, Parameters = 3, 00:32:01.133, 1	dpt	04-007/03:13:35.0
15336	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
15337	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		
15338	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		
15339	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
15340	M1O	04-007/03:24:18.8		NOTE: ENTER HGA KEEP OUT ZONE		
15341	M1O	04-007/03:24:18.8	14	NOTE: Loss Of X-Band Signal		
15342	M1O	04-007/03:24:18.8	34	NOTE: Loss Of X-Band Signal		
15343	M1O	04-007/03:30:57.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
15344	M1O	04-007/03:31:03.6		NOTE: Enter Planetary Atmosphere 9154		04-007/03:21:21.8
15345	M1O	04-007/03:32:45.6		NOTE: Enter Earth Occultation 9154		04-007/03:23:03.7
15346	M1O	04-007/03:32:50.6		NOTE: North Pole Crossing 9154		04-007/03:23:08.7
15347	M1O	04-007/03:34:34.5		NOTE: Apoapsis 9154 -		04-007/03:24:52.6
15348	M1O	04-007/03:35:57.0	14	Range Modulation On: SUP=3.0dB		
15349	M1O	04-007/03:36:57.0	14	Begin Ranging Acquisition		
15350	M1O	04-007/03:41:58.9		NOTE: EXIT HGA KEEP OUT ZONE		
15351	M1O	04-007/03:49:48.9		NOTE: Exit Earth Occultation 9154		04-007/03:40:07.0
15352	M1O	04-007/03:49:48.9	14	Acquisition Of X-Band Signal		
15353	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		
15354	M1O	04-007/03:49:48.9	34	Acquisition Of X-Band Signal		
15355	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15356	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		
15357	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		
15358	M1O	04-007/03:51:32.0		NOTE: Exit Planetary Atmosphere 9154		04-007/03:41:50.1
15359	M1O	04-007/03:55:20.1		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-007/03:45:38.2
15360	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		
15361	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		
15362	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
15363	M1O	04-007/04:02:50.1		NOTE: Descending Node Crossing 9155		04-007/03:53:08.2
15364	M1O	04-007/04:32:08.9		NOTE: South Pole Crossing 9155		04-007/04:22:26.8
15365	M1O	04-007/04:33:05.8		NOTE: Periapsis 9155 ----------		04-007/04:23:23.8
15366	M1O	04-007/04:48:05.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
15367	M1O	04-007/04:58:05.0	14	Range Modulation Off		
15368	M1O	04-007/05:00:15.3		NOTE: Enter Solar Eclipse 9155		04-007/04:50:33.2
15369	M1O	04-007/05:01:25.1		NOTE: Ascending Node Crossing 9155		04-007/04:51:42.9
15370	M1O	04-007/05:03:05.0	14	X-Band Transmitter Off		
15371	M1O	04-007/05:20:41.4		NOTE: Exit Solar Eclipse 9155		04-007/05:10:59.2
15372	M1O	04-007/05:21:26.3		SPAWN, Engine = 65535, Parameters = 3, 00:32:19, 1	dpt	04-007/05:11:44.1
15373	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
15374	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		
15375	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		
15376	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
15377	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		
15378	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		
15379	M1O	04-007/05:22:30.2		NOTE: ENTER HGA KEEP OUT ZONE		
15380	M1O	04-007/05:22:30.2	14	NOTE: Loss Of X-Band Signal		
15381	M1O	04-007/05:22:30.2	34	NOTE: Loss Of X-Band Signal		
15382	M1O	04-007/05:29:24.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
15383	M1O	04-007/05:29:42.0		NOTE: Enter Planetary Atmosphere 9155		04-007/05:19:59.8
15384	M1O	04-007/05:31:22.6		NOTE: North Pole Crossing 9155		04-007/05:21:40.4
15385	M1O	04-007/05:31:25.0		NOTE: Enter Earth Occultation 9155		04-007/05:21:42.8
15386	M1O	04-007/05:32:46.4		NOTE: Apoapsis 9155 -		04-007/05:23:04.1
15387	M1O	04-007/05:34:24.0	14	Range Modulation On: SUP=3.0dB		
15388	M1O	04-007/05:35:24.0	14	Begin Ranging Acquisition		
15389	M1O	04-007/05:40:30.2		NOTE: EXIT HGA KEEP OUT ZONE		
15390	M1O	04-007/05:48:16.2		NOTE: Exit Earth Occultation 9155		04-007/05:38:33.9
15391	M1O	04-007/05:48:16.2	14	Acquisition Of X-Band Signal		
15392	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		
15393	M1O	04-007/05:48:16.2	34	Acquisition Of X-Band Signal		
15394	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		
15395	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		
15396	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,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
15397	M1O	04-007/05:50:00.4		NOTE: Exit Planetary Atmosphere 9155		04-007/05:40:18.1
15398	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
15399	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		
15400	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, ANT=HGA		
15401	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
15402	M1O	04-007/06:01:23.1		NOTE: Descending Node Crossing 9156		04-007/05:51:40.8
15403	M1O	04-007/06:30:00.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
15404	M1O	04-007/06:30:42.9		NOTE: South Pole Crossing 9156		04-007/06:21:00.5
15405	M1O	04-007/06:31:34.1		NOTE: Periapsis 9156 ----------		04-007/06:21:51.6
15406	M1O	04-007/06:40:00.0	14	Range Modulation Off		
15407	M1O	04-007/06:45:00.0	14	X-Band Transmitter Off		
15408	M1O	04-007/06:45:34.9	14	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
15409	M1O	04-007/06:55:43.0	14	NOTE: Below Uplink Interlock Limit		
15410	M1O	04-007/06:58:52.4		NOTE: Enter Solar Eclipse 9156		04-007/06:49:09.8
15411	M1O	04-007/07:00:00.3		NOTE: Ascending Node Crossing 9156		04-007/06:50:17.8
15412	M1O	04-007/07:03:22.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:35.376, 1	dpt	04-007/06:53:40.2
15413	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
15414	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		
15415	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		
15416	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
15417	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		
15418	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		
15419	M1O	04-007/07:05:00.0	14	End Tracking		
15420	M1O	04-007/07:05:00.1		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-007/06:55:17.6
15421	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
15422	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		
15423	M1O	04-007/07:09:42.5		SPAWN, Engine = 65535, Parameters =	scdiag	04-007/07:00:00.0
15424	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
15425	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
15426	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
15427	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		
15428	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
15429	M1O	04-007/07:10:45.5		SPAWN, Engine = 65535, Parameters = WEEKLY	fsw_diag	04-007/07:01:03.0
15430	M1O	04-007/07:10:45.7		NOTE: Start Block fsw_diag		04-007/07:01:03.2
15431	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
15432	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
15433	M1O	04-007/07:10:58.7		NOTE: End Block fsw_diag.mod		04-007/07:01:16.2
15434	M1O	04-007/07:11:58.5		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-007/07:02:16.0
15435	M1O	04-007/07:11:58.7		NOTE: Start Block fsw_diag		04-007/07:02:16.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15436	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
15437	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
15438	M1O	04-007/07:12:11.7		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	04-007/07:02:29.2
15439	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
15440	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
15441	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
15442	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
15443	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
15444	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
15445	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
15446	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
15447	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
15448	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
15449	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
15450	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
15451	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
15452	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
15453	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
15454	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
15455	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
15456	M1O	04-007/07:15:09.7		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-007/07:05:27.2
15457	M1O	04-007/07:15:20.7		NOTE: End Block fsw_diag.mod		04-007/07:05:38.2
15458	M1O	04-007/07:19:12.6		NOTE: Exit Solar Eclipse 9156		04-007/07:09:30.0
15459	M1O	04-007/07:20:00.0	14	End Post-Cal		
15460	M1O	04-007/07:20:21.5		SPAWN, Engine = 65535, Parameters = 3, 00:31:23.628, 1	dpt	04-007/07:10:39.0
15461	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
15462	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		
15463	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
15464	M1O	04-007/07:21:23.5		NOTE: ENTER HGA KEEP OUT ZONE		
15465	M1O	04-007/07:21:23.5	34	NOTE: Loss Of X-Band Signal		
15466	M1O	04-007/07:28:21.6		NOTE: Enter Planetary Atmosphere 9156		04-007/07:18:39.0
15467	M1O	04-007/07:29:58.0		NOTE: North Pole Crossing 9156		04-007/07:20:15.4
15468	M1O	04-007/07:30:05.5		NOTE: Enter Earth Occultation 9156		04-007/07:20:22.8
15469	M1O	04-007/07:31:25.3		NOTE: Apoapsis 9156 -		04-007/07:21:42.6
15470	M1O	04-007/07:39:03.6		NOTE: EXIT HGA KEEP OUT ZONE		
15471	M1O	04-007/07:46:47.3		NOTE: Exit Earth Occultation 9156		04-007/07:37:04.6
15472	M1O	04-007/07:46:47.3	34	Acquisition Of X-Band Signal		
15473	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		
15474	M1O	04-007/07:48:32.2		NOTE: Exit Planetary Atmosphere 9156		04-007/07:38:49.5
15475	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
15476	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
15477	M1O	04-007/07:50:17.7		CALL, Engine = , Parameters = 254	get_cmd_opt	04-007/07:40:35.1
15478	M1O	04-007/07:50:18.0		CALL, Engine = , Parameters = 007, 01, 254	bld_autosw	04-007/07:40:35.4
15479	M1O	04-007/07:50:19.1		Copies the file designated in the source_path to the target_path.:	FILE_COPY	04-007/07:40:36.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE		
15480	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
15481	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
15482	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
15483	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
15484	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
15485	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
15486	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
15487	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
15488	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
15489	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
15490	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
15491	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
15492	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
15493	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
15494	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
15495	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
15496	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
15497	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
15498	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
15499	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
15500	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
15501	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
15502	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
15503	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
15504	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
15505	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
15506	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
15507	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
15508	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
15509	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
15510	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
15511	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
15512	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
15513	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
15514	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15515	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
15516	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
15517	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
15518	M1O	04-007/07:51:00.0		CALL, Engine = , Parameters = 254	get_apid	04-007/07:41:17.4
15519	M1O	04-007/07:51:01.1		CALL, Engine = , Parameters = 254	get_rcv_mode	04-007/07:41:18.5
15520	M1O	04-007/07:51:01.3		CALL, Engine = , Parameters = 254	get_dl_rate	04-007/07:41:18.7
15521	M1O	04-007/07:51:02.4		CALL, Engine = , Parameters = 254, TRUE	get_modulatn	04-007/07:41:19.8
15522	M1O	04-007/07:51:03.7		CALL, Engine = , Parameters = 254	get_coding	04-007/07:41:21.1
15523	M1O	04-007/07:51:04.9		CALL, Engine = , Parameters = 254	get_xmt_mode	04-007/07:41:22.3
15524	M1O	04-007/07:51:06.1		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-007/07:41:23.5
15525	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
15526	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		
15527	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
15528	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		
15529	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
15530	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
15531	M1O	04-007/07:52:11.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-007/07:42:29.3
15532	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
15533	M1O	04-007/07:52:13.9		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-007/07:42:31.3
15534	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
15535	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
15536	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
15537	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
15538	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
15539	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
15540	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
15541	M1O	04-007/07:59:58.7		NOTE: Descending Node Crossing 9157		04-007/07:50:15.9
15542	M1O	04-007/08:00:00.0	43	Begin Pre-Cal		
15543	M1O	04-007/08:00:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
15544	M1O	04-007/08:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
15545	M1O	04-007/08:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
15546	M1O	04-007/08:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
15547	M1O	04-007/08:00:00.0	43	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
15548	M1O	04-007/08:00:00.0	43	Config: RCV: Parms:		
15549	M1O	04-007/08:00:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
15550	M1O	04-007/08:00:00.0	43	Config: TGC: BAND=X, SR=79632.000000		
15551	M1O	04-007/08:00:00.0	43	Config: TXL		
15552	M1O	04-007/08:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
15553	M1O	04-007/08:00:00.0	43	Config: CMD		
15554	M1O	04-007/08:00:00.0	43	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
15555	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
15556	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
15557	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15558	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
15559	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
15560	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
15561	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
15562	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		
15563	M1O	04-007/08:11:29.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-007/08:01:46.4
15564	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
15565	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		
15566	M1O	04-007/08:29:19.7		NOTE: South Pole Crossing 9157		04-007/08:19:36.9
15567	M1O	04-007/08:30:33.2		NOTE: Periapsis 9157 ----------		04-007/08:20:50.4
15568	M1O	04-007/08:43:58.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-007/08:34:15.6
15569	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
15570	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		
15571	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
15572	M1O	04-007/08:45:00.0	43	Begin Tracking		
15573	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		
15574	M1O	04-007/08:45:00.4		NOTE: Changing to 70M downlink rate: 110600_BPS		04-007/08:35:17.6
15575	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
15576	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		
15577	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		
15578	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
15579	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		
15580	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		
15581	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
15582	M1O	04-007/08:57:28.9		NOTE: Enter Solar Eclipse 9157		04-007/08:47:46.0
15583	M1O	04-007/08:58:37.6		NOTE: Ascending Node Crossing 9157		04-007/08:48:54.7
15584	M1O	04-007/09:17:48.9		NOTE: Exit Solar Eclipse 9157		04-007/09:08:05.9
15585	M1O	04-007/09:18:56.9		SPAWN, Engine = 65535, Parameters = 3, 00:31:54.253, 1	dpt	04-007/09:09:14.0
15586	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
15587	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		
15588	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		
15589	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
15590	M1O	04-007/09:19:58.9		NOTE: ENTER HGA KEEP OUT ZONE		
15591	M1O	04-007/09:19:58.9	34	NOTE: Loss Of X-Band Signal		
15592	M1O	04-007/09:19:58.9	43	NOTE: Loss Of X-Band Signal		
15593	M1O	04-007/09:26:28.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
15594	M1O	04-007/09:26:58.8		NOTE: Enter Planetary Atmosphere 9157		04-007/09:17:15.8
15595	M1O	04-007/09:28:34.7		NOTE: North Pole Crossing 9157		04-007/09:18:51.7
15596	M1O	04-007/09:28:43.0		NOTE: Enter Earth Occultation 9157		04-007/09:19:00.0
15597	M1O	04-007/09:30:32.4		NOTE: Apoapsis 9157 -		04-007/09:20:49.4
15598	M1O	04-007/09:31:28.0	43	Range Modulation On: SUP=3.0dB		
15599	M1O	04-007/09:32:28.0	43	Begin Ranging Acquisition		
15600	M1O	04-007/09:37:19.0		NOTE: EXIT HGA KEEP OUT ZONE		
15601	M1O	04-007/09:45:21.5		NOTE: Exit Earth Occultation 9157		04-007/09:35:38.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15602	M1O	04-007/09:45:21.5	34	Acquisition Of X-Band Signal		
15603	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		
15604	M1O	04-007/09:45:21.5	43	Acquisition Of X-Band Signal		
15605	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		
15606	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		
15607	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		
15608	M1O	04-007/09:47:06.7		NOTE: Exit Planetary Atmosphere 9157		04-007/09:37:23.6
15609	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
15610	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		
15611	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		
15612	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
15613	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
15614	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
15615	M1O	04-007/09:51:43.1		CALL, Engine = , Parameters = 254	get_cmd_opt	04-007/09:42:00.1
15616	M1O	04-007/09:52:25.3		CALL, Engine = , Parameters = 254	get_apid	04-007/09:42:42.3
15617	M1O	04-007/09:52:26.4		CALL, Engine = , Parameters = 254	get_rcv_mode	04-007/09:42:43.4
15618	M1O	04-007/09:52:26.6		CALL, Engine = , Parameters = 254	get_dl_rate	04-007/09:42:43.6
15619	M1O	04-007/09:52:27.7		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-007/09:42:44.7
15620	M1O	04-007/09:52:29.0		CALL, Engine = , Parameters = 254	get_coding	04-007/09:42:46.0
15621	M1O	04-007/09:52:30.2		CALL, Engine = , Parameters = 254	get_xmt_mode	04-007/09:42:47.2
15622	M1O	04-007/09:52:31.4		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-007/09:42:48.4
15623	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
15624	M1O	04-007/09:53:37.2		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-007/09:43:54.2
15625	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
15626	M1O	04-007/09:53:39.2		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-007/09:43:56.2
15627	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
15628	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
15629	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
15630	M1O	04-007/09:58:35.4		NOTE: Descending Node Crossing 9158		04-007/09:48:52.4
15631	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
15632	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
15633	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
15634	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
15635	M1O	04-007/10:15:00.0	34	End Tracking		
15636	M1O	04-007/10:27:56.7		NOTE: South Pole Crossing 9158		04-007/10:18:13.5
15637	M1O	04-007/10:29:32.6		NOTE: Periapsis 9158 ----------		04-007/10:19:49.4
15638	M1O	04-007/10:30:00.0	34	End Post-Cal		
15639	M1O	04-007/10:44:08.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
15640	M1O	04-007/10:54:08.0	43	Range Modulation Off		
15641	M1O	04-007/10:56:03.3		NOTE: Enter Solar Eclipse 9158		04-007/10:46:20.0
15642	M1O	04-007/10:57:14.1		NOTE: Ascending Node Crossing 9158		04-007/10:47:30.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15643	M1O	04-007/10:59:08.0	43	X-Band Transmitter Off		
15644	M1O	04-007/11:16:26.1		NOTE: Exit Solar Eclipse 9158		04-007/11:06:42.8
15645	M1O	04-007/11:17:31.5		SPAWN, Engine = 65535, Parameters = 3, 00:31:56, 1	dpt	04-007/11:07:48.2
15646	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
15647	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		
15648	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
15649	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		
15650	M1O	04-007/11:18:35.3		NOTE: ENTER HGA KEEP OUT ZONE		
15651	M1O	04-007/11:18:35.3	43	NOTE: Loss Of X-Band Signal		
15652	M1O	04-007/11:25:04.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
15653	M1O	04-007/11:25:33.7		NOTE: Enter Planetary Atmosphere 9158		04-007/11:15:50.4
15654	M1O	04-007/11:27:11.0		NOTE: North Pole Crossing 9158		04-007/11:17:27.7
15655	M1O	04-007/11:27:17.8		NOTE: Enter Earth Occultation 9158		04-007/11:17:34.5
15656	M1O	04-007/11:29:26.2		NOTE: Apoapsis 9158 -		04-007/11:19:42.8
15657	M1O	04-007/11:30:04.0	43	Range Modulation On: SUP=3.0dB		
15658	M1O	04-007/11:31:04.0	43	Begin Ranging Acquisition		
15659	M1O	04-007/11:35:55.3		NOTE: EXIT HGA KEEP OUT ZONE		
15660	M1O	04-007/11:43:57.7		NOTE: Exit Earth Occultation 9158		04-007/11:34:14.3
15661	M1O	04-007/11:43:57.7	43	Acquisition Of X-Band Signal		
15662	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		
15663	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		
15664	M1O	04-007/11:45:42.9		NOTE: Exit Planetary Atmosphere 9158		04-007/11:35:59.4
15665	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
15666	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		
15667	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
15668	M1O	04-007/11:57:12.0		NOTE: Descending Node Crossing 9159		04-007/11:47:28.6
15669	M1O	04-007/12:10:32.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
15670	M1O	04-007/12:20:32.0	43	Range Modulation Off		
15671	M1O	04-007/12:25:32.0	43	X-Band Transmitter Off		
15672	M1O	04-007/12:25:32.8	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
15673	M1O	04-007/12:26:32.3		NOTE: South Pole Crossing 9159		04-007/12:16:48.7
15674	M1O	04-007/12:28:12.0		NOTE: Periapsis 9159 ----------		04-007/12:18:28.4
15675	M1O	04-007/12:36:48.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-007/12:27:05.0
15676	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
15677	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
15678	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
15679	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
15680	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
15681	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
15682	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15683	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		
15684	M1O	04-007/12:40:32.0	43	NOTE: Below Uplink Interlock Limit		
15685	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
15686	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		
15687	M1O	04-007/12:44:11.3		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-007/12:34:27.8
15688	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
15689	M1O	04-007/12:44:27.3	43	D/L RF Warning: SC antenna change - expect signal level variation		
15690	M1O	04-007/12:44:28.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-007/12:34:44.8
15691	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		
15692	M1O	04-007/12:45:00.0	43	End Tracking		
15693	M1O	04-007/12:54:35.3		NOTE: Enter Solar Eclipse 9159		04-007/12:44:51.7
15694	M1O	04-007/12:55:48.3		NOTE: Ascending Node Crossing 9159		04-007/12:46:04.7
15695	M1O	04-007/13:00:00.0	43	End Post-Cal		
15696	M1O	04-007/13:15:02.4		NOTE: Exit Solar Eclipse 9159		04-007/13:05:18.7
15697	M1O	04-007/13:17:11.7		NOTE: ENTER HGA KEEP OUT ZONE		
15698	M1O	04-007/13:24:04.3		NOTE: Enter Planetary Atmosphere 9159		04-007/13:14:20.6
15699	M1O	04-007/13:25:45.2		NOTE: North Pole Crossing 9159		04-007/13:16:01.4
15700	M1O	04-007/13:25:47.9		NOTE: Enter Earth Occultation 9159		04-007/13:16:04.1
15701	M1O	04-007/13:27:51.6		NOTE: Apoapsis 9159 -		04-007/13:18:07.9
15702	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
15703	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
15704	M1O	04-007/13:34:09.8		CALL, Engine = , Parameters = 56	get_cmd_opt	04-007/13:24:26.1
15705	M1O	04-007/13:34:10.1		CALL, Engine = , Parameters = 007, 03, 056	bld_autosw	04-007/13:24:26.4
15706	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
15707	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
15708	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
15709	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
15710	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
15711	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
15712	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
15713	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
15714	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
15715	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
15716	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
15717	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
15718	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
15719	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
15720	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
15721	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
15722	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15723	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
15724	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
15725	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
15726	M1O	04-007/13:34:31.7		NOTE: EXIT HGA KEEP OUT ZONE		
15727	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
15728	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
15729	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
15730	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
15731	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
15732	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
15733	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
15734	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
15735	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
15736	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
15737	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
15738	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
15739	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
15740	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
15741	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
15742	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
15743	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
15744	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
15745	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
15746	M1O	04-007/13:34:52.1		CALL, Engine = , Parameters = 56	get_apid	04-007/13:25:08.4
15747	M1O	04-007/13:34:53.2		CALL, Engine = , Parameters = 56	get_rcv_mode	04-007/13:25:09.5
15748	M1O	04-007/13:34:53.4		CALL, Engine = , Parameters = 56	get_dl_rate	04-007/13:25:09.7
15749	M1O	04-007/13:34:54.5		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-007/13:25:10.8
15750	M1O	04-007/13:34:55.7		CALL, Engine = , Parameters = 56	get_coding	04-007/13:25:12.0
15751	M1O	04-007/13:34:56.9		CALL, Engine = , Parameters = 56	get_xmt_mode	04-007/13:25:13.2
15752	M1O	04-007/13:34:58.1		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-007/13:25:14.4
15753	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
15754	M1O	04-007/13:36:03.9		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-007/13:26:20.2
15755	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
15756	M1O	04-007/13:36:05.9		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-007/13:26:22.2
15757	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
15758	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
15759	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
15760	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
15761	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

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15762	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
15763	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
15764	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
15765	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
15766	M1O	04-007/13:42:34.4		NOTE: Exit Earth Occultation 9159		04-007/13:32:50.6
15767	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
15768	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
15769	M1O	04-007/13:44:19.1		NOTE: Exit Planetary Atmosphere 9159		04-007/13:34:35.3
15770	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
15771	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
15772	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
15773	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
15774	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
15775	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
15776	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
15777	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
15778	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
15779	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
15780	M1O	04-007/13:55:00.0	63	Begin Pre-Cal		
15781	M1O	04-007/13:55:00.0	63	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
15782	M1O	04-007/13:55:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
15783	M1O	04-007/13:55:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
15784	M1O	04-007/13:55:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
15785	M1O	04-007/13:55:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
15786	M1O	04-007/13:55:00.0	63	Config: RCV: Parms:		
15787	M1O	04-007/13:55:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
15788	M1O	04-007/13:55:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
15789	M1O	04-007/13:55:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
15790	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
15791	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
15792	M1O	04-007/13:55:45.8		NOTE: Descending Node Crossing 9160		04-007/13:46:02.0
15793	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
15794	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
15795	M1O	04-007/13:59:10.0		Selects the mode in which the UHF transmitter is to operate.: STAND_BY, 8_KPS, PSK,	UHF_XMIT_MODE	04-007/13:49:26.2

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				CONV_VIT, DISABLE		
15796	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
15797	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
15798	M1O	04-007/14:01:11.0		Selects the mode in which the UHF transmitter is to operate.: REL_BIT_STR, 8_KPS, PSK, BYPASS_COD, PSK	UHF_XMIT_MODE	04-007/13:51:27.2
15799	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
15800	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
15801	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
15802	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
15803	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
15804	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
15805	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
15806	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
15807	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
15808	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
15809	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
15810	M1O	04-007/14:08:21.1		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-007/13:58:37.3
15811	M1O	04-007/14:25:04.9		NOTE: South Pole Crossing 9160		04-007/14:15:21.0
15812	M1O	04-007/14:26:26.4		NOTE: Periapsis 9160 ----------		04-007/14:16:42.5
15813	M1O	04-007/14:53:07.1		NOTE: Enter Solar Eclipse 9160		04-007/14:43:23.1
15814	M1O	04-007/14:54:20.4		NOTE: Ascending Node Crossing 9160		04-007/14:44:36.4
15815	M1O	04-007/15:13:36.1		NOTE: Exit Solar Eclipse 9160		04-007/15:03:52.0
15816	M1O	04-007/15:15:46.0		NOTE: ENTER HGA KEEP OUT ZONE		
15817	M1O	04-007/15:22:32.1		NOTE: Enter Planetary Atmosphere 9160		04-007/15:12:48.1
15818	M1O	04-007/15:24:15.2		NOTE: Enter Earth Occultation 9160		04-007/15:14:31.1
15819	M1O	04-007/15:24:16.7		NOTE: North Pole Crossing 9160		04-007/15:14:32.6
15820	M1O	04-007/15:25:00.0	63	Begin Tracking		
15821	M1O	04-007/15:26:05.6		NOTE: Apoapsis 9160 -		04-007/15:16:21.5
15822	M1O	04-007/15:33:06.1		NOTE: EXIT HGA KEEP OUT ZONE		
15823	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
15824	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
15825	M1O	04-007/15:40:37.2		CALL, Engine = , Parameters = 56	get_cmd_opt	04-007/15:30:53.1
15826	M1O	04-007/15:40:37.5		CALL, Engine = , Parameters = 007, 04, 056	bld_autosw	04-007/15:30:53.4
15827	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
15828	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
15829	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
15830	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
15831	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

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15832	M1O	04-007/15:40:43.0		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-007/15:30:58.8
15833	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
15834	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
15835	M1O	04-007/15:40:44.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-007/15:30:59.9
15836	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
15837	M1O	04-007/15:40:45.1		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-007/15:31:00.9
15838	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
15839	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
15840	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
15841	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
15842	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
15843	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
15844	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
15845	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
15846	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
15847	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
15848	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
15849	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
15850	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
15851	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
15852	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
15853	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
15854	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
15855	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
15856	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
15857	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
15858	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
15859	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
15860	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
15861	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
15862	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
15863	M1O	04-007/15:41:08.0		NOTE: Exit Earth Occultation 9160		04-007/15:31:23.8
15864	M1O	04-007/15:41:08.0	63	Acquisition Of X-Band Signal		
15865	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		
15866	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
15867	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
15868	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

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15869	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
15870	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
15871	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
15872	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
15873	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
15874	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
15875	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
15876	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
15877	M1O	04-007/15:41:19.5		CALL, Engine = , Parameters = 56	get_apid	04-007/15:31:35.4
15878	M1O	04-007/15:41:20.6		CALL, Engine = , Parameters = 56	get_rcv_mode	04-007/15:31:36.5
15879	M1O	04-007/15:41:20.8		CALL, Engine = , Parameters = 56	get_dl_rate	04-007/15:31:36.7
15880	M1O	04-007/15:41:21.9		CALL, Engine = , Parameters = 56, FALSE	get_modulatn	04-007/15:31:37.8
15881	M1O	04-007/15:41:23.1		CALL, Engine = , Parameters = 56	get_coding	04-007/15:31:39.0
15882	M1O	04-007/15:41:24.3		CALL, Engine = , Parameters = 56	get_xmt_mode	04-007/15:31:40.2
15883	M1O	04-007/15:41:25.5		CALL, Engine = , Parameters = 56	get_cmd_beacon	04-007/15:31:41.4
15884	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
15885	M1O	04-007/15:42:31.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-007/15:32:47.2
15886	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
15887	M1O	04-007/15:42:33.3		Selects receiving spacecraft ID.: 56	UHF_SC_ID	04-007/15:32:49.2
15888	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
15889	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
15890	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
15891	M1O	04-007/15:42:52.1		NOTE: Exit Planetary Atmosphere 9160		04-007/15:33:07.9
15892	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
15893	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
15894	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
15895	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
15896	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
15897	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
15898	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		
15899	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
15900	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		
15901	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
15902	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
15903	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
15904	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
15905	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15906	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
15907	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
15908	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
15909	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
15910	M1O	04-007/15:54:16.3		NOTE: Descending Node Crossing 9161		04-007/15:44:32.1
15911	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
15912	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
15913	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
15914	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
15915	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
15916	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		
15917	M1O	04-007/15:55:31.7		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-007/15:45:47.5
15918	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
15919	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		
15920	M1O	04-007/16:23:35.6		NOTE: South Pole Crossing 9161		04-007/16:13:51.3
15921	M1O	04-007/16:24:42.8		NOTE: Periapsis 9161 ----------		04-007/16:14:58.5
15922	M1O	04-007/16:51:40.0		NOTE: Enter Solar Eclipse 9161		04-007/16:41:55.6
15923	M1O	04-007/16:52:52.0		NOTE: Ascending Node Crossing 9161		04-007/16:43:07.6
15924	M1O	04-007/17:12:05.1		NOTE: Exit Solar Eclipse 9161		04-007/17:02:20.6
15925	M1O	04-007/17:13:14.4		SPAWN, Engine = 65535, Parameters = 3, 00:31:19.457, 1	dpt	04-007/17:03:30.0
15926	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
15927	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		
15928	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
15929	M1O	04-007/17:14:16.4		NOTE: ENTER HGA KEEP OUT ZONE		
15930	M1O	04-007/17:14:16.4	63	NOTE: Loss Of X-Band Signal		
15931	M1O	04-007/17:21:06.7		NOTE: Enter Planetary Atmosphere 9161		04-007/17:11:22.3
15932	M1O	04-007/17:22:48.3		NOTE: North Pole Crossing 9161		04-007/17:13:03.8
15933	M1O	04-007/17:22:50.4		NOTE: Enter Earth Occultation 9161		04-007/17:13:06.0
15934	M1O	04-007/17:24:41.4		NOTE: Apoapsis 9161 -		04-007/17:14:56.9
15935	M1O	04-007/17:31:36.4		NOTE: EXIT HGA KEEP OUT ZONE		
15936	M1O	04-007/17:39:35.9		NOTE: Exit Earth Occultation 9161		04-007/17:29:51.4
15937	M1O	04-007/17:39:35.9	63	Acquisition Of X-Band Signal		
15938	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		
15939	M1O	04-007/17:41:20.7		NOTE: Exit Planetary Atmosphere 9161		04-007/17:31:36.2
15940	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
15941	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		
15942	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
15943	M1O	04-007/17:52:47.9		NOTE: Descending Node Crossing 9162		04-007/17:43:03.4
15944	M1O	04-007/18:22:08.0		NOTE: South Pole Crossing 9162		04-007/18:12:23.4
15945	M1O	04-007/18:23:16.1		NOTE: Periapsis 9162 ----------		04-007/18:13:31.4
15946	M1O	04-007/18:50:14.1		NOTE: Enter Solar Eclipse 9162		04-007/18:40:29.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
15947	M1O	04-007/18:51:25.3		NOTE: Ascending Node Crossing 9162		04-007/18:41:40.6
15948	M1O	04-007/19:10:33.1		NOTE: Exit Solar Eclipse 9162		04-007/19:00:48.3
15949	M1O	04-007/19:11:45.8		SPAWN, Engine = 65535, Parameters = 3, 00:31:16.706, 1	dpt	04-007/19:02:01.0
15950	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
15951	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		
15952	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
15953	M1O	04-007/19:12:47.8		NOTE: ENTER HGA KEEP OUT ZONE		
15954	M1O	04-007/19:12:47.8	63	NOTE: Loss Of X-Band Signal		
15955	M1O	04-007/19:19:48.9		NOTE: Enter Planetary Atmosphere 9162		04-007/19:10:04.0
15956	M1O	04-007/19:21:23.0		NOTE: North Pole Crossing 9162		04-007/19:11:38.2
15957	M1O	04-007/19:21:33.9		NOTE: Enter Earth Occultation 9162		04-007/19:11:49.1
15958	M1O	04-007/19:23:16.2		NOTE: Apoapsis 9162 -		04-007/19:13:31.3
15959	M1O	04-007/19:30:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
15960	M1O	04-007/19:30:07.8		NOTE: EXIT HGA KEEP OUT ZONE		
15961	M1O	04-007/19:35:00.0	63	Range Modulation On: SUP=3.0dB		
15962	M1O	04-007/19:36:00.0	63	Begin Ranging Acquisition		
15963	M1O	04-007/19:38:04.5		NOTE: Exit Earth Occultation 9162		04-007/19:28:19.7
15964	M1O	04-007/19:38:04.5	63	Acquisition Of X-Band Signal		
15965	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		
15966	M1O	04-007/19:39:50.7		NOTE: Exit Planetary Atmosphere 9162		04-007/19:30:05.8
15967	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
15968	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		
15969	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
15970	M1O	04-007/19:48:27.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-007/19:38:42.4
15971	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
15972	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		
15973	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
15974	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		
15975	M1O	04-007/19:51:24.1		NOTE: Descending Node Crossing 9163		04-007/19:41:39.2
15976	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
15977	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		
15978	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
15979	M1O	04-007/20:20:44.2		NOTE: South Pole Crossing 9163		04-007/20:10:59.1
15980	M1O	04-007/20:21:56.8		NOTE: Periapsis 9163 ----------		04-007/20:12:11.8
15981	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
15982	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
15983	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		
15984	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
15985	M1O	04-007/20:30:43.1		CALL, Engine = , Parameters = 254	get_cmd_opt	04-007/20:20:58.1
15986	M1O	04-007/20:30:43.4		CALL, Engine = , Parameters = 007, 03, 254	bld_autosw	04-007/20:20:58.4
15987	M1O	04-007/20:30:44.5		Copies the file designated in the source_path to the target_path.:	FILE_COPY	04-007/20:20:59.5

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/dat/254_noop_file00.dat, d:/dat/autoswitch.dat, OVERWRITE		
15988	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
15989	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
15990	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
15991	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
15992	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
15993	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
15994	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
15995	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
15996	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
15997	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
15998	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
15999	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
16000	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
16001	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
16002	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
16003	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
16004	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
16005	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
16006	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
16007	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
16008	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
16009	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
16010	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
16011	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
16012	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
16013	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
16014	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
16015	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
16016	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
16017	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
16018	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
16019	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
16020	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
16021	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
16022	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16023	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
16024	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
16025	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
16026	M1O	04-007/20:31:25.4		CALL, Engine = , Parameters = 254	get_apid	04-007/20:21:40.4
16027	M1O	04-007/20:31:26.5		CALL, Engine = , Parameters = 254	get_rcv_mode	04-007/20:21:41.5
16028	M1O	04-007/20:31:26.7		CALL, Engine = , Parameters = 254	get_dl_rate	04-007/20:21:41.7
16029	M1O	04-007/20:31:27.8		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-007/20:21:42.8
16030	M1O	04-007/20:31:29.1		CALL, Engine = , Parameters = 254	get_coding	04-007/20:21:44.1
16031	M1O	04-007/20:31:30.3		CALL, Engine = , Parameters = 254	get_xmt_mode	04-007/20:21:45.3
16032	M1O	04-007/20:31:31.5		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-007/20:21:46.5
16033	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
16034	M1O	04-007/20:32:37.3		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-007/20:22:52.3
16035	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
16036	M1O	04-007/20:32:39.3		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-007/20:22:54.3
16037	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
16038	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
16039	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
16040	M1O	04-007/20:36:53.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
16041	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
16042	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
16043	M1O	04-007/20:46:53.0	63	Range Modulation Off		
16044	M1O	04-007/20:48:49.2		NOTE: Enter Solar Eclipse 9163		04-007/20:39:04.1
16045	M1O	04-007/20:50:01.1		NOTE: Ascending Node Crossing 9163		04-007/20:40:15.9
16046	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
16047	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
16048	M1O	04-007/20:51:53.0	63	X-Band Transmitter Off		
16049	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
16050	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
16051	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
16052	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		
16053	M1O	04-007/20:52:05.5		Deletes the designated file.: d:/dat/autoswitch.dat	FILE_DELETE	04-007/20:42:20.4
16054	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
16055	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		
16056	M1O	04-007/21:09:05.8		NOTE: Exit Solar Eclipse 9163		04-007/20:59:20.6
16057	M1O	04-007/21:10:20.6		SPAWN, Engine = 65535, Parameters = 3, 00:31:47, 1	dpt	04-007/21:00:35.4
16058	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
16059	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		
16060	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
16061	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		
16062	M1O	04-007/21:11:24.1		NOTE: ENTER HGA KEEP OUT ZONE		
16063	M1O	04-007/21:11:24.1	63	NOTE: Loss Of X-Band Signal		
16064	M1O	04-007/21:17:40.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16065	M1O	04-007/21:18:28.7		NOTE: Enter Planetary Atmosphere 9163		04-007/21:08:43.5
16066	M1O	04-007/21:19:59.4		NOTE: North Pole Crossing 9163		04-007/21:10:14.2
16067	M1O	04-007/21:20:14.3		NOTE: Enter Earth Occultation 9163		04-007/21:10:29.1
16068	M1O	04-007/21:21:44.7		NOTE: Apoapsis 9163 -		04-007/21:11:59.5
16069	M1O	04-007/21:22:40.0	63	Range Modulation On: SUP=3.0dB		
16070	M1O	04-007/21:23:40.0	63	Begin Ranging Acquisition		
16071	M1O	04-007/21:28:44.2		NOTE: EXIT HGA KEEP OUT ZONE		
16072	M1O	04-007/21:36:38.5		NOTE: Exit Earth Occultation 9163		04-007/21:26:53.3
16073	M1O	04-007/21:36:38.5	63	Acquisition Of X-Band Signal		
16074	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		
16075	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		
16076	M1O	04-007/21:38:25.3		NOTE: Exit Planetary Atmosphere 9163		04-007/21:28:40.0
16077	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
16078	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		
16079	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
16080	M1O	04-007/21:50:01.2		NOTE: Descending Node Crossing 9164		04-007/21:40:15.9
16081	M1O	04-007/22:00:00.0	14	Begin Pre-Cal		
16082	M1O	04-007/22:00:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
16083	M1O	04-007/22:00:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
16084	M1O	04-007/22:00:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
16085	M1O	04-007/22:00:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
16086	M1O	04-007/22:00:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
16087	M1O	04-007/22:00:00.0	14	Config: RCV: Parms:		
16088	M1O	04-007/22:00:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
16089	M1O	04-007/22:00:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
16090	M1O	04-007/22:00:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
16091	M1O	04-007/22:19:21.1		NOTE: South Pole Crossing 9164		04-007/22:09:35.7
16092	M1O	04-007/22:20:30.1		NOTE: Periapsis 9164 ----------		04-007/22:10:44.7
16093	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
16094	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
16095	M1O	04-007/22:33:46.5		CALL, Engine = , Parameters = 254	get_cmd_opt	04-007/22:24:01.1
16096	M1O	04-007/22:34:28.7		CALL, Engine = , Parameters = 254	get_apid	04-007/22:24:43.3
16097	M1O	04-007/22:34:29.8		CALL, Engine = , Parameters = 254	get_rcv_mode	04-007/22:24:44.4
16098	M1O	04-007/22:34:30.0		CALL, Engine = , Parameters = 254	get_dl_rate	04-007/22:24:44.6
16099	M1O	04-007/22:34:31.1		CALL, Engine = , Parameters = 254, FALSE	get_modulatn	04-007/22:24:45.7
16100	M1O	04-007/22:34:32.4		CALL, Engine = , Parameters = 254	get_coding	04-007/22:24:47.0
16101	M1O	04-007/22:34:33.6		CALL, Engine = , Parameters = 254	get_xmt_mode	04-007/22:24:48.2
16102	M1O	04-007/22:34:34.8		CALL, Engine = , Parameters = 254	get_cmd_beacon	04-007/22:24:49.4
16103	M1O	04-007/22:35:30.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
16104	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
16105	M1O	04-007/22:35:40.6		Switches UHF coax switch to active C&DH/UHF.	UHF_SELECT	04-007/22:25:55.2
16106	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
16107	M1O	04-007/22:35:42.6		Selects receiving spacecraft ID.: 254	UHF_SC_ID	04-007/22:25:57.2
16108	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
16109	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
16110	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16111	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
16112	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
16113	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
16114	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
16115	M1O	04-007/22:45:30.0	63	Range Modulation Off		
16116	M1O	04-007/22:47:25.7		NOTE: Enter Solar Eclipse 9164		04-007/22:37:40.2
16117	M1O	04-007/22:48:37.8		NOTE: Ascending Node Crossing 9164		04-007/22:38:52.3
16118	M1O	04-007/22:50:30.0	63	X-Band Transmitter Off		
16119	M1O	04-007/23:07:42.6		NOTE: Exit Solar Eclipse 9164		04-007/22:57:57.1
16120	M1O	04-007/23:08:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:31:16.383, 1	dpt	04-007/22:59:12.4
16121	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
16122	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		
16123	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
16124	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		
16125	M1O	04-007/23:10:01.5		NOTE: ENTER HGA KEEP OUT ZONE		
16126	M1O	04-007/23:10:01.5	63	NOTE: Loss Of X-Band Signal		
16127	M1O	04-007/23:15:00.0	14	Begin Tracking		
16128	M1O	04-007/23:17:03.0		NOTE: Enter Planetary Atmosphere 9164		04-007/23:07:17.4
16129	M1O	04-007/23:18:35.7		NOTE: North Pole Crossing 9164		04-007/23:08:50.2
16130	M1O	04-007/23:18:48.3		NOTE: Enter Earth Occultation 9164		04-007/23:09:02.7
16131	M1O	04-007/23:20:06.0		NOTE: Apoapsis 9164 -		04-007/23:10:20.4
16132	M1O	04-007/23:24:05.0	63	NOTE: Below Uplink Interlock Limit		
16133	M1O	04-007/23:27:21.6		NOTE: EXIT HGA KEEP OUT ZONE		
16134	M1O	04-007/23:35:00.0	63	End Tracking		
16135	M1O	04-007/23:35:16.5		NOTE: Exit Earth Occultation 9164		04-007/23:25:30.8
16136	M1O	04-007/23:35:16.5	14	Acquisition Of X-Band Signal		
16137	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		
16138	M1O	04-007/23:37:02.8		NOTE: Exit Planetary Atmosphere 9164		04-007/23:27:17.2
16139	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
16140	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		
16141	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
16142	M1O	04-007/23:48:36.8		NOTE: Descending Node Crossing 9165		04-007/23:38:51.2
16143	M1O	04-007/23:50:00.0	63	End Post-Cal		
16144	M1O	04-008/00:00:00.0		Light Time: OWLT = 09:45, RTLT = 19:31		
16145	M1O	04-008/00:00:00.0	24	Begin Pre-Cal		
16146	M1O	04-008/00:00:00.0	24	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
16147	M1O	04-008/00:00:00.0	24	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
16148	M1O	04-008/00:00:00.0	24	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
16149	M1O	04-008/00:00:00.0	24	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
16150	M1O	04-008/00:00:00.0	24	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
16151	M1O	04-008/00:00:00.0	24	Config: RCV: Parms:		
16152	M1O	04-008/00:00:00.0	24	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
16153	M1O	04-008/00:00:00.0	24	Config: TGC: BAND=X, SR=221200.000000		
16154	M1O	04-008/00:00:00.0	24	Config: TXL		
16155	M1O	04-008/00:00:00.0	24	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
16156	M1O	04-008/00:00:00.0	24	Config: CMD		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16157	M1O	04-008/00:00:00.0	24	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
16158	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
16159	M1O	04-008/00:01:37.8		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-007/23:51:52.1
16160	M1O	04-008/00:01:38.8		Forces a desaturation of the reaction wheels.	RW_DESAT	04-007/23:51:53.1
16161	M1O	04-008/00:05:00.7		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-007/23:55:15.0
16162	M1O	04-008/00:05:16.5		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 38, 2004-005T23:55:15.100, 2004-007T23:55:15.100	PCKTS_RE_TX_TIME	04-007/23:55:30.8
16163	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
16164	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
16165	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
16166	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
16167	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
16168	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
16169	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		
16170	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
16171	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
16172	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		
16173	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
16174	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
16175	M1O	04-008/00:12:39.5	14	D/L RF Warning: SC antenna change - expect signal level variation		
16176	M1O	04-008/00:12:40.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-008/00:02:54.8
16177	M1O	04-008/00:13:08.8		CALL, Engine = , Parameters = FALSE	park_hga	04-008/00:03:23.1
16178	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
16179	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
16180	M1O	04-008/00:13:10.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-008/00:03:25.1
16181	M1O	04-008/00:13:10.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-008/00:03:25.1
16182	M1O	04-008/00:13:10.8		NOTE: START HGA PARK		
16183	M1O	04-008/00:13:10.8	14	NOTE: Loss Of X-Band Signal		
16184	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
16185	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
16186	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
16187	M1O	04-008/00:17:56.9		NOTE: South Pole Crossing 9165		04-008/00:08:11.1
16188	M1O	04-008/00:19:04.5		NOTE: Periapsis 9165 ----------		04-008/00:09:18.8
16189	M1O	04-008/00:21:12.8		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-008/00:11:27.1
16190	M1O	04-008/00:21:12.8		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-008/00:11:27.1
16191	M1O	04-008/00:45:00.0	24	Begin Tracking		
16192	M1O	04-008/00:46:01.4		NOTE: Enter Solar Eclipse 9165		04-008/00:36:15.6
16193	M1O	04-008/00:47:13.6		NOTE: Ascending Node Crossing 9165		04-008/00:37:27.8
16194	M1O	04-008/00:51:12.8		GV: GV_DESAT_ACTIVE = 1		04-008/00:41:27.0
16195	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
16196	M1O	04-008/00:51:13.8		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-008/00:41:28.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16197	M1O	04-008/01:01:12.8		GV: GV_DESAT_ACTIVE = 0		04-008/00:51:27.0
16198	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
16199	M1O	04-008/01:01:14.8		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-008/00:51:29.0
16200	M1O	04-008/01:01:15.8		CALL, Engine = , Parameters =	unpark_hga	04-008/00:51:30.0
16201	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
16202	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
16203	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
16204	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
16205	M1O	04-008/01:06:21.2		NOTE: Exit Solar Eclipse 9165		04-008/00:56:35.3
16206	M1O	04-008/01:08:36.9		NOTE: ENTER HGA KEEP OUT ZONE		
16207	M1O	04-008/01:09:47.9		NOTE: EXIT HGA PARK		
16208	M1O	04-008/01:14:55.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16209	M1O	04-008/01:15:31.8		NOTE: Enter Planetary Atmosphere 9165		04-008/01:05:45.9
16210	M1O	04-008/01:17:10.4		NOTE: North Pole Crossing 9165		04-008/01:07:24.5
16211	M1O	04-008/01:17:16.2		NOTE: Enter Earth Occultation 9165		04-008/01:07:30.2
16212	M1O	04-008/01:18:36.8		NOTE: Apoapsis 9165 -		04-008/01:08:50.8
16213	M1O	04-008/01:19:55.0	24	Range Modulation On: SUP=3.0dB		
16214	M1O	04-008/01:20:55.0	24	Begin Ranging Acquisition		
16215	M1O	04-008/01:25:56.9		NOTE: EXIT HGA KEEP OUT ZONE		
16216	M1O	04-008/01:33:29.7		SPAWN, Engine = 65535, Parameters = 00:05:31.848	cstr	04-008/01:23:43.7
16217	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
16218	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
16219	M1O	04-008/01:33:31.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-008/01:23:45.8
16220	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
16221	M1O	04-008/01:33:33.8		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry when transmitting through the x-band.: HGA	XMIT_SELECT	04-008/01:23:47.8
16222	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
16223	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
16224	M1O	04-008/01:33:54.7		NOTE: Exit Earth Occultation 9165		04-008/01:24:08.7
16225	M1O	04-008/01:33:54.7	14	Acquisition Of X-Band Signal		
16226	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		
16227	M1O	04-008/01:33:54.7	24	Acquisition Of X-Band Signal		
16228	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		
16229	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		
16230	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		
16231	M1O	04-008/01:35:40.1		NOTE: Exit Planetary Atmosphere 9165		04-008/01:25:54.1
16232	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
16233	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
16234	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		
16235	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		
16236	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16237	M1O	04-008/01:47:10.1		NOTE: Descending Node Crossing 9166		04-008/01:37:24.1
16238	M1O	04-008/02:16:29.9		NOTE: South Pole Crossing 9166		04-008/02:06:43.7
16239	M1O	04-008/02:17:39.8		NOTE: Periapsis 9166 ----------		04-008/02:07:53.6
16240	M1O	04-008/02:32:37.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
16241	M1O	04-008/02:42:37.0	24	Range Modulation Off		
16242	M1O	04-008/02:44:33.5		NOTE: Enter Solar Eclipse 9166		04-008/02:34:47.3
16243	M1O	04-008/02:45:46.4		NOTE: Ascending Node Crossing 9166		04-008/02:36:00.2
16244	M1O	04-008/02:47:37.0	24	X-Band Transmitter Off		
16245	M1O	04-008/03:04:56.4		NOTE: Exit Solar Eclipse 9166		04-008/02:55:10.1
16246	M1O	04-008/03:06:06.8		SPAWN, Engine = 65535, Parameters = 3, 00:31:51, 1	dpt	04-008/02:56:20.6
16247	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
16248	M1O	04-008/03:06:08.9	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		
16249	M1O	04-008/03:06:08.9	24	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16250	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
16251	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		
16252	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		
16253	M1O	04-008/03:07:10.2		NOTE: ENTER HGA KEEP OUT ZONE		
16254	M1O	04-008/03:07:10.2	14	NOTE: Loss Of X-Band Signal		
16255	M1O	04-008/03:07:10.2	24	NOTE: Loss Of X-Band Signal		
16256	M1O	04-008/03:13:28.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16257	M1O	04-008/03:13:59.9		NOTE: Enter Planetary Atmosphere 9166		04-008/03:04:13.6
16258	M1O	04-008/03:15:42.5		NOTE: North Pole Crossing 9166		04-008/03:05:56.2
16259	M1O	04-008/03:15:43.7		NOTE: Enter Earth Occultation 9166		04-008/03:05:57.4
16260	M1O	04-008/03:17:22.2		NOTE: Apoapsis 9166 -		04-008/03:07:35.8
16261	M1O	04-008/03:18:28.0	24	Range Modulation On: SUP=3.0dB		
16262	M1O	04-008/03:19:28.0	24	Begin Ranging Acquisition		
16263	M1O	04-008/03:24:30.3		NOTE: EXIT HGA KEEP OUT ZONE		
16264	M1O	04-008/03:32:28.3		NOTE: Exit Earth Occultation 9166		04-008/03:22:41.9
16265	M1O	04-008/03:32:28.3	14	Acquisition Of X-Band Signal		
16266	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		
16267	M1O	04-008/03:32:28.3	24	Acquisition Of X-Band Signal		
16268	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		
16269	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, ANT=HGA		
16270	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		
16271	M1O	04-008/03:34:13.2		NOTE: Exit Planetary Atmosphere 9166		04-008/03:24:26.8
16272	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
16273	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		
16274	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		
16275	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
16276	M1O	04-008/03:45:41.6		NOTE: Descending Node Crossing 9167		04-008/03:35:55.2
16277	M1O	04-008/04:15:00.4		NOTE: South Pole Crossing 9167		04-008/04:05:13.9
16278	M1O	04-008/04:16:01.9		NOTE: Periapsis 9167 ----------		04-008/04:06:15.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16279	M1O	04-008/04:31:08.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
16280	M1O	04-008/04:41:08.0	24	Range Modulation Off		
16281	M1O	04-008/04:43:03.8		NOTE: Enter Solar Eclipse 9167		04-008/04:33:17.2
16282	M1O	04-008/04:44:16.4		NOTE: Ascending Node Crossing 9167		04-008/04:34:29.9
16283	M1O	04-008/04:46:08.0	24	X-Band Transmitter Off		
16284	M1O	04-008/04:48:58.8		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-008/04:39:12.2
16285	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
16286	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		
16287	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		
16288	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
16289	M1O	04-008/04:50:00.0	14	End Tracking		
16290	M1O	04-008/04:50:00.8		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-008/04:40:14.2
16291	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
16292	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		
16293	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
16294	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		
16295	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
16296	M1O	04-008/05:00:00.0	45	Begin Pre-Cal		
16297	M1O	04-008/05:00:00.0	45	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
16298	M1O	04-008/05:00:00.0	45	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
16299	M1O	04-008/05:00:00.0	45	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
16300	M1O	04-008/05:00:00.0	45	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
16301	M1O	04-008/05:00:00.0	45	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
16302	M1O	04-008/05:00:00.0	45	Config: RCV: Parms:		
16303	M1O	04-008/05:00:00.0	45	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
16304	M1O	04-008/05:00:00.0	45	Config: TGC: BAND=X, SR=79632.000000		
16305	M1O	04-008/05:00:00.0	45	Config: UWV: AMP=XTWM1, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
16306	M1O	04-008/05:03:23.5		NOTE: Exit Solar Eclipse 9167		04-008/04:53:36.8
16307	M1O	04-008/05:04:38.2		SPAWN, Engine = 65535, Parameters = 3, 00:31:48, 1	dpt	04-008/04:54:51.6
16308	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
16309	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		
16310	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
16311	M1O	04-008/05:05:00.0	14	End Post-Cal		
16312	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		
16313	M1O	04-008/05:05:41.6		NOTE: ENTER HGA KEEP OUT ZONE		
16314	M1O	04-008/05:05:41.6	24	NOTE: Loss Of X-Band Signal		
16315	M1O	04-008/05:11:56.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16316	M1O	04-008/05:12:34.5		NOTE: Enter Planetary Atmosphere 9167		04-008/05:02:47.8
16317	M1O	04-008/05:14:13.5		NOTE: North Pole Crossing 9167		04-008/05:04:26.8
16318	M1O	04-008/05:14:18.9		NOTE: Enter Earth Occultation 9167		04-008/05:04:32.2
16319	M1O	04-008/05:15:37.8		NOTE: Apoapsis 9167 -		04-008/05:05:51.1
16320	M1O	04-008/05:16:56.0	24	Range Modulation On: SUP=3.0dB		
16321	M1O	04-008/05:17:56.0	24	Begin Ranging Acquisition		
16322	M1O	04-008/05:23:01.7		NOTE: EXIT HGA KEEP OUT ZONE		
16323	M1O	04-008/05:30:56.6		NOTE: Exit Earth Occultation 9167		04-008/05:21:09.8
16324	M1O	04-008/05:30:56.6	24	Acquisition Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16325	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		
16326	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		
16327	M1O	04-008/05:32:42.2		NOTE: Exit Planetary Atmosphere 9167		04-008/05:22:55.4
16328	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
16329	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		
16330	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
16331	M1O	04-008/05:44:13.4		NOTE: Descending Node Crossing 9168		04-008/05:34:26.6
16332	M1O	04-008/06:13:32.1		NOTE: South Pole Crossing 9168		04-008/06:03:45.3
16333	M1O	04-008/06:14:12.1		NOTE: Periapsis 9168 ----------		04-008/06:04:25.2
16334	M1O	04-008/06:25:00.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
16335	M1O	04-008/06:30:00.0	45	Begin Tracking		
16336	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		
16337	M1O	04-008/06:35:00.0	24	Range Modulation Off		
16338	M1O	04-008/06:40:00.0	24	X-Band Transmitter Off		
16339	M1O	04-008/06:40:26.0	24	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
16340	M1O	04-008/06:41:38.6		NOTE: Enter Solar Eclipse 9168		04-008/06:31:51.6
16341	M1O	04-008/06:42:48.9		NOTE: Ascending Node Crossing 9168		04-008/06:33:02.0
16342	M1O	04-008/06:54:12.0	24	NOTE: Below Uplink Interlock Limit		
16343	M1O	04-008/06:58:31.7		SPAWN, Engine = 65535, Parameters = 3, 00:35:51.243, 1	dpt	04-008/06:48:44.7
16344	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
16345	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		
16346	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		
16347	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
16348	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		
16349	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		
16350	M1O	04-008/07:00:00.0	24	End Tracking		
16351	M1O	04-008/07:01:50.6		NOTE: Exit Solar Eclipse 9168		04-008/06:52:03.6
16352	M1O	04-008/07:04:13.0		NOTE: ENTER HGA KEEP OUT ZONE		
16353	M1O	04-008/07:04:13.0	45	NOTE: Loss Of X-Band Signal		
16354	M1O	04-008/07:09:47.0		SPAWN, Engine = 65535, Parameters =	scdiag	04-008/07:00:00.0
16355	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
16356	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
16357	M1O	04-008/07:10:50.0		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-008/07:01:03.0
16358	M1O	04-008/07:10:50.2		NOTE: Start Block fsw_diag		04-008/07:01:03.2
16359	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
16360	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
16361	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
16362	M1O	04-008/07:11:14.5		NOTE: Enter Planetary Atmosphere 9168		04-008/07:01:27.4
16363	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
16364	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
16365	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16366	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
16367	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
16368	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
16369	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
16370	M1O	04-008/07:12:47.0		NOTE: North Pole Crossing 9168		04-008/07:03:00.0
16371	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
16372	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
16373	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
16374	M1O	04-008/07:13:00.0		NOTE: Enter Earth Occultation 9168		04-008/07:03:13.0
16375	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
16376	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
16377	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
16378	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
16379	M1O	04-008/07:13:53.4		NOTE: Apoapsis 9168 -		04-008/07:04:06.3
16380	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
16381	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
16382	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
16383	M1O	04-008/07:14:01.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-008/07:04:14.2
16384	M1O	04-008/07:14:12.2		NOTE: End Block fsw_diag.mod		04-008/07:04:25.2
16385	M1O	04-008/07:15:00.0	24	End Post-Cal		
16386	M1O	04-008/07:21:33.0		NOTE: EXIT HGA KEEP OUT ZONE		
16387	M1O	04-008/07:29:25.0		NOTE: Exit Earth Occultation 9168		04-008/07:19:37.9
16388	M1O	04-008/07:29:25.0	45	Acquisition Of X-Band Signal		
16389	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		
16390	M1O	04-008/07:31:11.8		NOTE: Exit Planetary Atmosphere 9168		04-008/07:21:24.7
16391	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
16392	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		
16393	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
16394	M1O	04-008/07:42:47.5		NOTE: Descending Node Crossing 9169		04-008/07:33:00.4
16395	M1O	04-008/08:12:07.7		NOTE: South Pole Crossing 9169		04-008/08:02:20.4
16396	M1O	04-008/08:12:58.6		NOTE: Periapsis 9169 ----------		04-008/08:03:11.4
16397	M1O	04-008/08:40:15.6		NOTE: Enter Solar Eclipse 9169		04-008/08:30:28.2
16398	M1O	04-008/08:41:25.5		NOTE: Ascending Node Crossing 9169		04-008/08:31:38.2
16399	M1O	04-008/09:00:24.9		NOTE: Exit Solar Eclipse 9169		04-008/08:50:37.5
16400	M1O	04-008/09:02:05.3		SPAWN, Engine = 65535, Parameters = 3, 00:30:50.327, 1	dpt	04-008/08:52:18.0
16401	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
16402	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		
16403	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
16404	M1O	04-008/09:03:07.3		NOTE: ENTER HGA KEEP OUT ZONE		
16405	M1O	04-008/09:03:07.3	45	NOTE: Loss Of X-Band Signal		
16406	M1O	04-008/09:09:52.6		NOTE: Enter Planetary Atmosphere 9169		04-008/09:00:05.2
16407	M1O	04-008/09:11:23.1		NOTE: North Pole Crossing 9169		04-008/09:01:35.7
16408	M1O	04-008/09:11:38.7		NOTE: Enter Earth Occultation 9169		04-008/09:01:51.3
16409	M1O	04-008/09:12:50.2		NOTE: Apoapsis 9169 -		04-008/09:03:02.8
16410	M1O	04-008/09:20:07.4		NOTE: EXIT HGA KEEP OUT ZONE		
16411	M1O	04-008/09:27:57.8		NOTE: Exit Earth Occultation 9169		04-008/09:18:10.3
16412	M1O	04-008/09:27:57.8	45	Acquisition Of X-Band Signal		
16413	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		
16414	M1O	04-008/09:29:45.0		NOTE: Exit Planetary Atmosphere 9169		04-008/09:19:57.5
16415	M1O	04-008/09:32:57.9		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-008/09:23:10.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
16416	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		
16417	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
16418	M1O	04-008/09:41:23.7		NOTE: Descending Node Crossing 9170		04-008/09:31:36.2
16419	M1O	04-008/10:10:44.6		NOTE: South Pole Crossing 9170		04-008/10:00:57.0
16420	M1O	04-008/10:12:01.0		NOTE: Periapsis 9170 ----------		04-008/10:02:13.4
16421	M1O	04-008/10:38:50.9		NOTE: Enter Solar Eclipse 9170		04-008/10:29:03.2
16422	M1O	04-008/10:40:02.4		NOTE: Ascending Node Crossing 9170		04-008/10:30:14.7
16423	M1O	04-008/10:59:01.7		NOTE: Exit Solar Eclipse 9170		04-008/10:49:14.0
16424	M1O	04-008/11:00:41.7		SPAWN, Engine = 65535, Parameters = 3, 00:30:48.889, 1	dpt	04-008/10:50:54.0
16425	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
16426	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		
16427	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
16428	M1O	04-008/11:01:43.7		NOTE: ENTER HGA KEEP OUT ZONE		
16429	M1O	04-008/11:01:43.7	45	NOTE: Loss Of X-Band Signal		
16430	M1O	04-008/11:08:28.7		NOTE: Enter Planetary Atmosphere 9170		04-008/10:58:41.0
16431	M1O	04-008/11:09:59.7		NOTE: North Pole Crossing 9170		04-008/11:00:11.9
16432	M1O	04-008/11:10:15.1		NOTE: Enter Earth Occultation 9170		04-008/11:00:27.3
16433	M1O	04-008/11:11:55.5		NOTE: Apoapsis 9170 -		04-008/11:02:07.7
16434	M1O	04-008/11:18:43.8		NOTE: EXIT HGA KEEP OUT ZONE		
16435	M1O	04-008/11:26:32.7		NOTE: Exit Earth Occultation 9170		04-008/11:16:44.8
16436	M1O	04-008/11:26:32.7	45	Acquisition Of X-Band Signal		
16437	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		
16438	M1O	04-008/11:28:20.0		NOTE: Exit Planetary Atmosphere 9170		04-008/11:18:32.2
16439	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
16440	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		
16441	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
16442	M1O	04-008/11:40:00.4		NOTE: Descending Node Crossing 9171		04-008/11:30:12.5
16443	M1O	04-008/12:09:20.9		NOTE: South Pole Crossing 9171		04-008/11:59:32.9
16444	M1O	04-008/12:10:51.4		NOTE: Periapsis 9171 ----------		04-008/12:01:03.4
16445	M1O	04-008/12:31:50.0		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-008/12:22:02.0
16446	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
16447	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
16448	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
16449	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
16450	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
16451	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
16452	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
16453	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		
16454	M1O	04-008/12:36:32.0	45	NOTE: Below Uplink Interlock Limit		
16455	M1O	04-008/12:37:24.0		NOTE: Enter Solar Eclipse 9171		04-008/12:27:35.9
16456	M1O	04-008/12:38:37.7		NOTE: Ascending Node Crossing 9171		04-008/12:28:49.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16457	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
16458	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		
16459	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
16460	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
16461	M1O	04-008/12:39:28.8	45	D/L RF Warning: SC antenna change - expect signal level variation		
16462	M1O	04-008/12:39:29.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-008/12:29:41.8
16463	M1O	04-008/12:40:00.0	45	End Tracking		
16464	M1O	04-008/12:55:00.0	45	End Post-Cal		
16465	M1O	04-008/12:57:38.4		NOTE: Exit Solar Eclipse 9171		04-008/12:47:50.3
16466	M1O	04-008/13:00:20.1		NOTE: ENTER HGA KEEP OUT ZONE		
16467	M1O	04-008/13:07:01.4		NOTE: Enter Planetary Atmosphere 9171		04-008/12:57:13.3
16468	M1O	04-008/13:08:34.9		NOTE: North Pole Crossing 9171		04-008/12:58:46.7
16469	M1O	04-008/13:08:47.3		NOTE: Enter Earth Occultation 9171		04-008/12:58:59.2
16470	M1O	04-008/13:10:33.1		NOTE: Apoapsis 9171 -		04-008/13:00:44.9
16471	M1O	04-008/13:17:00.1		NOTE: EXIT HGA KEEP OUT ZONE		
16472	M1O	04-008/13:25:09.6		NOTE: Exit Earth Occultation 9171		04-008/13:15:21.4
16473	M1O	04-008/13:26:56.6		NOTE: Exit Planetary Atmosphere 9171		04-008/13:17:08.4
16474	M1O	04-008/13:38:35.6		NOTE: Descending Node Crossing 9172		04-008/13:28:47.4
16475	M1O	04-008/14:00:00.0	63	Begin Pre-Cal		
16476	M1O	04-008/14:00:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
16477	M1O	04-008/14:00:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
16478	M1O	04-008/14:00:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
16479	M1O	04-008/14:00:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
16480	M1O	04-008/14:00:00.0	63	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
16481	M1O	04-008/14:00:00.0	63	Config: RCV: Parms:		
16482	M1O	04-008/14:00:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
16483	M1O	04-008/14:00:00.0	63	Config: TGC: BAND=X, SR=79632.000000		
16484	M1O	04-008/14:00:00.0	63	Config: TXL		
16485	M1O	04-008/14:00:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
16486	M1O	04-008/14:00:00.0	63	Config: CMD		
16487	M1O	04-008/14:00:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
16488	M1O	04-008/14:07:54.8		NOTE: South Pole Crossing 9172		04-008/13:58:06.5
16489	M1O	04-008/14:09:15.6		NOTE: Periapsis 9172 ----------		04-008/13:59:27.2
16490	M1O	04-008/14:35:55.5		NOTE: Enter Solar Eclipse 9172		04-008/14:26:07.1
16491	M1O	04-008/14:37:10.5		NOTE: Ascending Node Crossing 9172		04-008/14:27:22.0
16492	M1O	04-008/14:56:13.2		NOTE: Exit Solar Eclipse 9172		04-008/14:46:24.7
16493	M1O	04-008/14:58:55.5		NOTE: ENTER HGA KEEP OUT ZONE		
16494	M1O	04-008/15:05:30.1		NOTE: Enter Planetary Atmosphere 9172		04-008/14:55:41.5
16495	M1O	04-008/15:07:07.4		NOTE: North Pole Crossing 9172		04-008/14:57:18.9
16496	M1O	04-008/15:07:15.3		NOTE: Enter Earth Occultation 9172		04-008/14:57:26.8
16497	M1O	04-008/15:08:47.1		NOTE: Apoapsis 9172 -		04-008/14:58:58.6
16498	M1O	04-008/15:15:55.5		NOTE: EXIT HGA KEEP OUT ZONE		
16499	M1O	04-008/15:23:45.0		NOTE: Exit Earth Occultation 9172		04-008/15:13:56.4
16500	M1O	04-008/15:25:31.4		NOTE: Exit Planetary Atmosphere 9172		04-008/15:15:42.8
16501	M1O	04-008/15:29:35.6		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-008/15:19:47.0
16502	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
16503	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
16504	M1O	04-008/15:29:37.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-008/15:19:49.1
16505	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
16506	M1O	04-008/15:29:39.7		Selects whether the MGA or the HGA will be used for transmission of downlink telemetry	XMIT_SELECT	04-008/15:19:51.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				when transmitting through the x-band.: HGA		
16507	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
16508	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
16509	M1O	04-008/15:30:00.0	63	Begin Tracking		
16510	M1O	04-008/15:30:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=39816.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16511	M1O	04-008/15:30:00.6		NOTE: Changing to 70M downlink rate: 110600_BPS		04-008/15:20:12.0
16512	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
16513	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		
16514	M1O	04-008/15:31:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16515	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
16516	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
16517	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		
16518	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
16519	M1O	04-008/15:36:00.0	63	Range Modulation On: SUP=3.0dB		
16520	M1O	04-008/15:37:00.0	63	Begin Ranging Acquisition		
16521	M1O	04-008/15:37:07.5		NOTE: Descending Node Crossing 9173		04-008/15:27:18.8
16522	M1O	04-008/15:49:34.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-008/15:39:45.8
16523	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
16524	M1O	04-008/15:49:36.6	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16525	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
16526	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		
16527	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
16528	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		
16529	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
16530	M1O	04-008/16:06:26.1		NOTE: South Pole Crossing 9173		04-008/15:56:37.4
16531	M1O	04-008/16:07:27.8		NOTE: Periapsis 9173 ----------		04-008/15:57:39.1
16532	M1O	04-008/16:22:30.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
16533	M1O	04-008/16:32:30.0	63	Range Modulation Off		
16534	M1O	04-008/16:34:27.8		NOTE: Enter Solar Eclipse 9173		04-008/16:24:39.0
16535	M1O	04-008/16:35:42.0		NOTE: Ascending Node Crossing 9173		04-008/16:25:53.2
16536	M1O	04-008/16:37:30.0	63	X-Band Transmitter Off		
16537	M1O	04-008/16:54:44.1		NOTE: Exit Solar Eclipse 9173		04-008/16:44:55.3
16538	M1O	04-008/16:56:04.7		SPAWN, Engine = 65535, Parameters = 3, 00:31:40, 1	dpt	04-008/16:46:15.8
16539	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
16540	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		
16541	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
16542	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		
16543	M1O	04-008/16:57:07.8		NOTE: ENTER HGA KEEP OUT ZONE		
16544	M1O	04-008/16:57:07.8	63	NOTE: Loss Of X-Band Signal		
16545	M1O	04-008/17:03:10.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16546	M1O	04-008/17:04:00.7		NOTE: Enter Planetary Atmosphere 9173		04-008/16:54:11.8
16547	M1O	04-008/17:05:38.5		NOTE: North Pole Crossing 9173		04-008/16:55:49.6
16548	M1O	04-008/17:05:46.1		NOTE: Enter Earth Occultation 9173		04-008/16:55:57.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16549	M1O	04-008/17:07:13.5		NOTE: Apoapsis 9173 -		04-008/16:57:24.6
16550	M1O	04-008/17:08:10.0	63	Range Modulation On: SUP=3.0dB		
16551	M1O	04-008/17:09:10.0	63	Begin Ranging Acquisition		
16552	M1O	04-008/17:14:27.9		NOTE: EXIT HGA KEEP OUT ZONE		
16553	M1O	04-008/17:22:14.9		NOTE: Exit Earth Occultation 9173		04-008/17:12:25.9
16554	M1O	04-008/17:22:14.9	63	Acquisition Of X-Band Signal		
16555	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		
16556	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		
16557	M1O	04-008/17:24:01.4		NOTE: Exit Planetary Atmosphere 9173		04-008/17:14:12.4
16558	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
16559	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		
16560	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
16561	M1O	04-008/17:35:37.9		NOTE: Descending Node Crossing 9174		04-008/17:25:48.9
16562	M1O	04-008/18:04:57.2		NOTE: South Pole Crossing 9174		04-008/17:55:08.1
16563	M1O	04-008/18:05:53.5		NOTE: Periapsis 9174 ----------		04-008/17:56:04.4
16564	M1O	04-008/18:21:19.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
16565	M1O	04-008/18:31:19.0	63	Range Modulation Off		
16566	M1O	04-008/18:33:01.2		NOTE: Enter Solar Eclipse 9174		04-008/18:23:12.0
16567	M1O	04-008/18:34:14.2		NOTE: Ascending Node Crossing 9174		04-008/18:24:25.0
16568	M1O	04-008/18:36:19.0	63	X-Band Transmitter Off		
16569	M1O	04-008/18:53:11.2		NOTE: Exit Solar Eclipse 9174		04-008/18:43:22.0
16570	M1O	04-008/18:54:55.2		SPAWN, Engine = 65535, Parameters = 3, 00:31:15, 1	dpt	04-008/18:45:05.9
16571	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
16572	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		
16573	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
16574	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		
16575	M1O	04-008/18:55:58.2		NOTE: ENTER HGA KEEP OUT ZONE		
16576	M1O	04-008/18:55:58.2	63	NOTE: Loss Of X-Band Signal		
16577	M1O	04-008/19:01:34.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16578	M1O	04-008/19:02:41.4		NOTE: Enter Planetary Atmosphere 9174		04-008/18:52:52.2
16579	M1O	04-008/19:04:11.8		NOTE: North Pole Crossing 9174		04-008/18:54:22.5
16580	M1O	04-008/19:04:28.3		NOTE: Enter Earth Occultation 9174		04-008/18:54:39.1
16581	M1O	04-008/19:05:53.5		NOTE: Apoapsis 9174 -		04-008/18:56:04.2
16582	M1O	04-008/19:06:34.0	63	Range Modulation On: SUP=3.0dB		
16583	M1O	04-008/19:07:34.0	63	Begin Ranging Acquisition		
16584	M1O	04-008/19:12:38.2		NOTE: EXIT HGA KEEP OUT ZONE		
16585	M1O	04-008/19:20:41.2		NOTE: Exit Earth Occultation 9174		04-008/19:10:51.9
16586	M1O	04-008/19:20:41.2	63	Acquisition Of X-Band Signal		
16587	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		
16588	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		
16589	M1O	04-008/19:22:29.2		NOTE: Exit Planetary Atmosphere 9174		04-008/19:12:39.9
16590	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
16591	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		
16592	M1O	04-008/19:26:13.4		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-008/19:16:24.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
16593	M1O	04-008/19:34:12.4		NOTE: Descending Node Crossing 9175		04-008/19:24:23.0
16594	M1O	04-008/20:03:32.0		NOTE: South Pole Crossing 9175		04-008/19:53:42.6
16595	M1O	04-008/20:04:35.0		NOTE: Periapsis 9175 ----------		04-008/19:54:45.6
16596	M1O	04-008/20:19:53.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
16597	M1O	04-008/20:29:53.0	63	Range Modulation Off		
16598	M1O	04-008/20:31:35.7		NOTE: Enter Solar Eclipse 9175		04-008/20:21:46.1
16599	M1O	04-008/20:32:49.0		NOTE: Ascending Node Crossing 9175		04-008/20:22:59.5
16600	M1O	04-008/20:34:53.0	63	X-Band Transmitter Off		
16601	M1O	04-008/20:51:41.6		NOTE: Exit Solar Eclipse 9175		04-008/20:41:52.0
16602	M1O	04-008/20:53:29.5		SPAWN, Engine = 65535, Parameters = 3, 00:31:12, 1	dpt	04-008/20:43:39.9
16603	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
16604	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		
16605	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
16606	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		
16607	M1O	04-008/20:54:32.6		NOTE: ENTER HGA KEEP OUT ZONE		
16608	M1O	04-008/20:54:32.6	63	NOTE: Loss Of X-Band Signal		
16609	M1O	04-008/21:00:05.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16610	M1O	04-008/21:01:23.4		NOTE: Enter Planetary Atmosphere 9175		04-008/20:51:33.7
16611	M1O	04-008/21:02:47.7		NOTE: North Pole Crossing 9175		04-008/20:52:58.1
16612	M1O	04-008/21:03:11.4		NOTE: Enter Earth Occultation 9175		04-008/20:53:21.7
16613	M1O	04-008/21:04:25.1		NOTE: Apoapsis 9175 -		04-008/20:54:35.4
16614	M1O	04-008/21:05:05.0	63	Range Modulation On: SUP=3.0dB		
16615	M1O	04-008/21:06:05.0	63	Begin Ranging Acquisition		
16616	M1O	04-008/21:11:12.6		NOTE: EXIT HGA KEEP OUT ZONE		
16617	M1O	04-008/21:19:12.5		NOTE: Exit Earth Occultation 9175		04-008/21:09:22.8
16618	M1O	04-008/21:19:12.5	63	Acquisition Of X-Band Signal		
16619	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		
16620	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		
16621	M1O	04-008/21:21:01.7		NOTE: Exit Planetary Atmosphere 9175		04-008/21:11:12.0
16622	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
16623	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		
16624	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
16625	M1O	04-008/21:32:49.5		NOTE: Descending Node Crossing 9176		04-008/21:22:59.8
16626	M1O	04-008/22:02:09.0		NOTE: South Pole Crossing 9176		04-008/21:52:19.2
16627	M1O	04-008/22:03:12.5		NOTE: Periapsis 9176 ----------		04-008/21:53:22.6
16628	M1O	04-008/22:18:29.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
16629	M1O	04-008/22:28:29.0	63	Range Modulation Off		
16630	M1O	04-008/22:30:00.0	14	Begin Pre-Cal		
16631	M1O	04-008/22:30:00.0	14	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
16632	M1O	04-008/22:30:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
16633	M1O	04-008/22:30:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
16634	M1O	04-008/22:30:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
16635	M1O	04-008/22:30:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
16636	M1O	04-008/22:30:00.0	14	Config: RCV: Parms:		
16637	M1O	04-008/22:30:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
16638	M1O	04-008/22:30:00.0	14	Config: TGC: BAND=X, SR=221200.000000		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16639	M1O	04-008/22:30:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
16640	M1O	04-008/22:30:11.7		NOTE: Enter Solar Eclipse 9176		04-008/22:20:21.8
16641	M1O	04-008/22:31:25.6		NOTE: Ascending Node Crossing 9176		04-008/22:21:35.7
16642	M1O	04-008/22:33:29.0	63	X-Band Transmitter Off		
16643	M1O	04-008/22:44:57.9		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-008/22:35:08.0
16644	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
16645	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
16646	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
16647	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
16648	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
16649	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
16650	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
16651	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		
16652	M1O	04-008/22:50:16.7		NOTE: Exit Solar Eclipse 9176		04-008/22:40:26.8
16653	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
16654	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		
16655	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
16656	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
16657	M1O	04-008/22:52:36.7	63	D/L RF Warning: SC antenna change - expect signal level variation		
16658	M1O	04-008/22:52:37.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-008/22:42:47.8
16659	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		
16660	M1O	04-008/22:53:08.9		NOTE: ENTER HGA KEEP OUT ZONE		
16661	M1O	04-008/22:53:08.9	63	NOTE: Loss Of X-Band Signal		
16662	M1O	04-008/23:00:00.5		NOTE: Enter Planetary Atmosphere 9176		04-008/22:50:10.5
16663	M1O	04-008/23:01:24.4		NOTE: North Pole Crossing 9176		04-008/22:51:34.4
16664	M1O	04-008/23:01:48.5		NOTE: Enter Earth Occultation 9176		04-008/22:51:58.5
16665	M1O	04-008/23:02:49.6		NOTE: Apoapsis 9176 -		04-008/22:52:59.6
16666	M1O	04-008/23:09:49.0		NOTE: EXIT HGA KEEP OUT ZONE		
16667	M1O	04-008/23:17:49.1		NOTE: Exit Earth Occultation 9176		04-008/23:07:59.0
16668	M1O	04-008/23:17:49.1	63	Acquisition Of X-Band Signal		
16669	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		
16670	M1O	04-008/23:19:38.3		NOTE: Exit Planetary Atmosphere 9176		04-008/23:09:48.2
16671	M1O	04-008/23:23:16.0	63	NOTE: Below Uplink Interlock Limit		
16672	M1O	04-008/23:31:26.1		NOTE: Descending Node Crossing 9177		04-008/23:21:36.0
16673	M1O	04-008/23:35:00.0	63	End Tracking		
16674	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
16675	M1O	04-008/23:44:27.2		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-008/23:34:37.1
16676	M1O	04-008/23:44:28.2		Forces a desaturation of the reaction wheels.	RW_DESAT	04-008/23:34:38.1
16677	M1O	04-008/23:50:00.0	63	End Post-Cal		
16678	M1O	04-008/23:55:58.2		CALL, Engine = , Parameters = FALSE	park_hga	04-008/23:46:08.1
16679	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
16680	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16681	M1O	04-008/23:56:00.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-008/23:46:10.1
16682	M1O	04-008/23:56:00.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-008/23:46:10.1
16683	M1O	04-008/23:56:00.2		NOTE: START HGA PARK		
16684	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
16685	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
16686	M1O	04-009/00:00:00.0		Light Time: OWLT = 09:50, RTLT = 19:40		
16687	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
16688	M1O	04-009/00:00:45.7		NOTE: South Pole Crossing 9177		04-008/23:50:55.5
16689	M1O	04-009/00:01:44.6		NOTE: Periapsis 9177 ----------		04-008/23:51:54.4
16690	M1O	04-009/00:04:02.3		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-008/23:54:12.1
16691	M1O	04-009/00:04:02.3		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-008/23:54:12.1
16692	M1O	04-009/00:15:00.0	14	Begin Tracking		
16693	M1O	04-009/00:15:00.0	26	Begin Pre-Cal		
16694	M1O	04-009/00:15:00.0	26	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
16695	M1O	04-009/00:15:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
16696	M1O	04-009/00:15:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
16697	M1O	04-009/00:15:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
16698	M1O	04-009/00:15:00.0	26	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
16699	M1O	04-009/00:15:00.0	26	Config: RCV: Parms:		
16700	M1O	04-009/00:15:00.0	26	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
16701	M1O	04-009/00:15:00.0	26	Config: TGC: BAND=X, SR=221200.000000		
16702	M1O	04-009/00:15:00.0	26	Config: TXL		
16703	M1O	04-009/00:15:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
16704	M1O	04-009/00:15:00.0	26	Config: CMD		
16705	M1O	04-009/00:15:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
16706	M1O	04-009/00:28:48.4		NOTE: Enter Solar Eclipse 9177		04-009/00:18:58.2
16707	M1O	04-009/00:30:02.3		NOTE: Ascending Node Crossing 9177		04-009/00:20:12.0
16708	M1O	04-009/00:34:02.3		GV: GV_DESAT_ACTIVE = 1		04-009/00:24:12.0
16709	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
16710	M1O	04-009/00:34:03.3		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-009/00:24:13.0
16711	M1O	04-009/00:44:02.3		GV: GV_DESAT_ACTIVE = 0		04-009/00:34:12.0
16712	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
16713	M1O	04-009/00:44:04.3		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-009/00:34:14.0
16714	M1O	04-009/00:44:05.3		CALL, Engine = , Parameters =	unpark_hga	04-009/00:34:15.0
16715	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
16716	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
16717	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
16718	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
16719	M1O	04-009/00:48:55.2		NOTE: Exit Solar Eclipse 9177		04-009/00:39:04.9
16720	M1O	04-009/00:51:46.3		NOTE: ENTER HGA KEEP OUT ZONE		
16721	M1O	04-009/00:52:37.3		NOTE: EXIT HGA PARK		
16722	M1O	04-009/00:58:31.6		NOTE: Enter Planetary Atmosphere 9177		04-009/00:48:41.2
16723	M1O	04-009/01:00:00.0	26	Begin Tracking		
16724	M1O	04-009/01:00:00.2		NOTE: North Pole Crossing 9177		04-009/00:50:09.8
16725	M1O	04-009/01:00:18.8		NOTE: Enter Earth Occultation 9177		04-009/00:50:28.4
16726	M1O	04-009/01:01:00.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16727	M1O	04-009/01:01:12.7		NOTE: Apoapsis 9177 -		04-009/00:51:22.3
16728	M1O	04-009/01:05:00.0	43	Begin Pre-Cal		
16729	M1O	04-009/01:05:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
16730	M1O	04-009/01:05:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
16731	M1O	04-009/01:05:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
16732	M1O	04-009/01:05:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
16733	M1O	04-009/01:05:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
16734	M1O	04-009/01:05:00.0	43	Config: RCV: Parms:		
16735	M1O	04-009/01:05:00.0	43	Config: TLM: DC= 3700, IC1=L, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
16736	M1O	04-009/01:05:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
16737	M1O	04-009/01:05:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
16738	M1O	04-009/01:06:00.0	26	Range Modulation On: SUP=3.0dB		
16739	M1O	04-009/01:07:00.0	26	Begin Ranging Acquisition		
16740	M1O	04-009/01:08:26.4		NOTE: EXIT HGA KEEP OUT ZONE		
16741	M1O	04-009/01:16:03.3		SPAWN, Engine = 65535, Parameters = 00:09:12.211	cstr	04-009/01:06:12.8
16742	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
16743	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
16744	M1O	04-009/01:16:05.4		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-009/01:06:14.9
16745	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
16746	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
16747	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
16748	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
16749	M1O	04-009/01:16:28.3		NOTE: Exit Earth Occultation 9177		04-009/01:06:37.8
16750	M1O	04-009/01:16:28.3	14	Acquisition Of X-Band Signal		
16751	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		
16752	M1O	04-009/01:16:28.3	26	Acquisition Of X-Band Signal		
16753	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		
16754	M1O	04-009/01:18:16.6		NOTE: Exit Planetary Atmosphere 9177		04-009/01:08:26.1
16755	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		
16756	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		
16757	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
16758	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
16759	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		
16760	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		
16761	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
16762	M1O	04-009/01:30:00.7		NOTE: Descending Node Crossing 9178		04-009/01:20:10.2
16763	M1O	04-009/01:59:20.2		NOTE: South Pole Crossing 9178		04-009/01:49:29.6
16764	M1O	04-009/02:00:20.8		NOTE: Periapsis 9178 ----------		04-009/01:50:30.3
16765	M1O	04-009/02:15:38.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
16766	M1O	04-009/02:25:38.0	26	Range Modulation Off		
16767	M1O	04-009/02:27:22.4		NOTE: Enter Solar Eclipse 9178		04-009/02:17:31.7
16768	M1O	04-009/02:28:36.7		NOTE: Ascending Node Crossing 9178		04-009/02:18:46.1
16769	M1O	04-009/02:30:38.0	26	X-Band Transmitter Off		
16770	M1O	04-009/02:47:32.6		NOTE: Exit Solar Eclipse 9178		04-009/02:37:41.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16771	M1O	04-009/02:49:16.8		SPAWN, Engine = 65535, Parameters = 3, 00:31:17, 1	dpt	04-009/02:39:26.1
16772	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
16773	M1O	04-009/02:49:18.9	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		
16774	M1O	04-009/02:49:18.9	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16775	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
16776	M1O	04-009/02:50:00.0	43	Begin Tracking		
16777	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		
16778	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		
16779	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		
16780	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		
16781	M1O	04-009/02:50:20.7		NOTE: ENTER HGA KEEP OUT ZONE		
16782	M1O	04-009/02:50:20.7	14	NOTE: Loss Of X-Band Signal		
16783	M1O	04-009/02:50:20.7	43	NOTE: Loss Of X-Band Signal		
16784	M1O	04-009/02:50:20.7	26	NOTE: Loss Of X-Band Signal		
16785	M1O	04-009/02:50:56.0	43	NOTE: Above Uplink Interlock Limit		
16786	M1O	04-009/02:55:55.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16787	M1O	04-009/02:56:59.4		NOTE: Enter Planetary Atmosphere 9178		04-009/02:47:08.6
16788	M1O	04-009/02:58:33.5		NOTE: North Pole Crossing 9178		04-009/02:48:42.7
16789	M1O	04-009/02:58:45.8		NOTE: Enter Earth Occultation 9178		04-009/02:48:55.0
16790	M1O	04-009/02:59:55.0		NOTE: Apoapsis 9178 -		04-009/02:50:04.2
16791	M1O	04-009/03:00:55.0	26	Range Modulation On: SUP=3.0dB		
16792	M1O	04-009/03:01:55.0	26	Begin Ranging Acquisition		
16793	M1O	04-009/03:07:00.7		NOTE: EXIT HGA KEEP OUT ZONE		
16794	M1O	04-009/03:15:04.4		NOTE: Exit Earth Occultation 9178		04-009/03:05:13.6
16795	M1O	04-009/03:15:04.4	14	Acquisition Of X-Band Signal		
16796	M1O	04-009/03:15:04.4	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16797	M1O	04-009/03:15:04.4	43	Acquisition Of X-Band Signal		
16798	M1O	04-009/03:15:04.4	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
16799	M1O	04-009/03:15:04.4	26	Acquisition Of X-Band Signal		
16800	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		
16801	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		
16802	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		
16803	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		
16804	M1O	04-009/03:16:51.8		NOTE: Exit Planetary Atmosphere 9178		04-009/03:07:01.0
16805	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
16806	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		
16807	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		
16808	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16809	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
16810	M1O	04-009/03:28:32.9		NOTE: Descending Node Crossing 9179		04-009/03:18:42.1
16811	M1O	04-009/03:55:00.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
16812	M1O	04-009/03:55:18.0	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
16813	M1O	04-009/03:57:51.7		NOTE: South Pole Crossing 9179		04-009/03:48:00.8
16814	M1O	04-009/03:58:52.0		NOTE: Periapsis 9179 ----------		04-009/03:49:01.1
16815	M1O	04-009/04:05:00.0	26	Range Modulation Off		
16816	M1O	04-009/04:10:00.0	26	X-Band Transmitter Off		
16817	M1O	04-009/04:15:00.0	26	End Tracking		
16818	M1O	04-009/04:25:52.9		NOTE: Enter Solar Eclipse 9179		04-009/04:16:01.9
16819	M1O	04-009/04:27:07.8		NOTE: Ascending Node Crossing 9179		04-009/04:17:16.8
16820	M1O	04-009/04:28:39.1		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-009/04:18:48.1
16821	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
16822	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		
16823	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		
16824	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
16825	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		
16826	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		
16827	M1O	04-009/04:30:00.0	26	End Post-Cal		
16828	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
16829	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		
16830	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		
16831	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
16832	M1O	04-009/04:46:03.9		NOTE: Exit Solar Eclipse 9179		04-009/04:36:12.8
16833	M1O	04-009/04:47:51.0		SPAWN, Engine = 65535, Parameters = 3, 00:30:42.212, 1	dpt	04-009/04:38:00.0
16834	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
16835	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		
16836	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		
16837	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
16838	M1O	04-009/04:48:53.0		NOTE: ENTER HGA KEEP OUT ZONE		
16839	M1O	04-009/04:48:53.0	14	NOTE: Loss Of X-Band Signal		
16840	M1O	04-009/04:48:53.0	43	NOTE: Loss Of X-Band Signal		
16841	M1O	04-009/04:55:29.9		NOTE: Enter Planetary Atmosphere 9179		04-009/04:45:38.8
16842	M1O	04-009/04:57:04.7		NOTE: North Pole Crossing 9179		04-009/04:47:13.6
16843	M1O	04-009/04:57:16.2		NOTE: Enter Earth Occultation 9179		04-009/04:47:25.1
16844	M1O	04-009/04:58:27.1		NOTE: Apoapsis 9179 -		04-009/04:48:36.0
16845	M1O	04-009/05:05:33.1		NOTE: EXIT HGA KEEP OUT ZONE		
16846	M1O	04-009/05:13:35.3		NOTE: Exit Earth Occultation 9179		04-009/05:03:44.2
16847	M1O	04-009/05:13:35.3	14	Acquisition Of X-Band Signal		
16848	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		
16849	M1O	04-009/05:13:35.3	43	Acquisition Of X-Band Signal		
16850	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,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
16851	M1O	04-009/05:15:22.8		NOTE: Exit Planetary Atmosphere 9179		04-009/05:05:31.7
16852	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
16853	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		
16854	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		
16855	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
16856	M1O	04-009/05:27:04.3		NOTE: Descending Node Crossing 9180		04-009/05:17:13.1
16857	M1O	04-009/05:56:22.5		NOTE: South Pole Crossing 9180		04-009/05:46:31.2
16858	M1O	04-009/05:57:04.9		NOTE: Periapsis 9180 ----------		04-009/05:47:13.6
16859	M1O	04-009/06:00:00.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16860	M1O	04-009/06:05:00.0	14	Range Modulation On: SUP=3.0dB		
16861	M1O	04-009/06:06:00.0	14	Begin Ranging Acquisition		
16862	M1O	04-009/06:12:40.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
16863	M1O	04-009/06:18:40.6		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-009/06:08:49.2
16864	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
16865	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		
16866	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		
16867	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
16868	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		
16869	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		
16870	M1O	04-009/06:22:40.0	14	Range Modulation Off		
16871	M1O	04-009/06:24:25.3		NOTE: Enter Solar Eclipse 9180		04-009/06:14:33.9
16872	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
16873	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		
16874	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		
16875	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
16876	M1O	04-009/06:25:38.7		NOTE: Ascending Node Crossing 9180		04-009/06:15:47.3
16877	M1O	04-009/06:27:40.0	14	X-Band Transmitter Off		
16878	M1O	04-009/06:40:17.0	14	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
16879	M1O	04-009/06:44:29.5		NOTE: Exit Solar Eclipse 9180		04-009/06:34:38.1
16880	M1O	04-009/06:46:20.6		SPAWN, Engine = 65535, Parameters = 3, 00:30:39.483, 1	dpt	04-009/06:36:29.2
16881	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
16882	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		
16883	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		
16884	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
16885	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		
16886	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		
16887	M1O	04-009/06:47:24.4		NOTE: ENTER HGA KEEP OUT ZONE		
16888	M1O	04-009/06:47:24.4	14	NOTE: Loss Of X-Band Signal		
16889	M1O	04-009/06:47:24.4	43	NOTE: Loss Of X-Band Signal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16890	M1O	04-009/06:53:47.0	14	NOTE: Below Uplink Interlock Limit		
16891	M1O	04-009/06:54:08.7		NOTE: Enter Planetary Atmosphere 9180		04-009/06:44:17.2
16892	M1O	04-009/06:55:36.9		NOTE: North Pole Crossing 9180		04-009/06:45:45.4
16893	M1O	04-009/06:55:56.3		NOTE: Enter Earth Occultation 9180		04-009/06:46:04.8
16894	M1O	04-009/06:56:39.8		NOTE: Apoapsis 9180 -		04-009/06:46:48.4
16895	M1O	04-009/07:00:00.0	14	End Tracking		
16896	M1O	04-009/07:04:04.5		NOTE: EXIT HGA KEEP OUT ZONE		
16897	M1O	04-009/07:09:51.5		SPAWN, Engine = 65535, Parameters =	scdiag	04-009/07:00:00.0
16898	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
16899	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
16900	M1O	04-009/07:10:54.5		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-009/07:01:03.0
16901	M1O	04-009/07:10:54.7		NOTE: Start Block fsw_diag		04-009/07:01:03.2
16902	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
16903	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
16904	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
16905	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
16906	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
16907	M1O	04-009/07:12:02.2		NOTE: Exit Earth Occultation 9180		04-009/07:02:10.7
16908	M1O	04-009/07:12:02.2	43	Acquisition Of X-Band Signal		
16909	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		
16910	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
16911	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
16912	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
16913	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
16914	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
16915	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
16916	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
16917	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
16918	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
16919	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
16920	M1O	04-009/07:13:51.0		NOTE: Exit Planetary Atmosphere 9180		04-009/07:03:59.5
16921	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
16922	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
16923	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
16924	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
16925	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
16926	M1O	04-009/07:14:05.7		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-009/07:04:14.2
16927	M1O	04-009/07:14:16.7		NOTE: End Block fsw_diag.mod		04-009/07:04:25.2
16928	M1O	04-009/07:15:00.0	14	End Post-Cal		
16929	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
16930	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		
16931	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
16932	M1O	04-009/07:25:37.4		NOTE: Descending Node Crossing 9181		04-009/07:15:45.8
16933	M1O	04-009/07:54:56.6		NOTE: South Pole Crossing 9181		04-009/07:45:05.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
16934	M1O	04-009/07:55:34.6		NOTE: Periapsis 9181 ----------		04-009/07:45:42.9
16935	M1O	04-009/08:23:02.4		NOTE: Enter Solar Eclipse 9181		04-009/08:13:10.6
16936	M1O	04-009/08:24:14.1		NOTE: Ascending Node Crossing 9181		04-009/08:14:22.3
16937	M1O	04-009/08:43:00.9		NOTE: Exit Solar Eclipse 9181		04-009/08:33:09.1
16938	M1O	04-009/08:44:55.8		SPAWN, Engine = 65535, Parameters = 3, 00:30:35.235, 1	dpt	04-009/08:35:04.0
16939	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
16940	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		
16941	M1O	04-009/08:44:58.9		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-009/08:35:07.1
16942	M1O	04-009/08:45:57.8		NOTE: ENTER HGA KEEP OUT ZONE		
16943	M1O	04-009/08:45:57.8	43	NOTE: Loss Of X-Band Signal		
16944	M1O	04-009/08:52:48.3		NOTE: Enter Planetary Atmosphere 9181		04-009/08:42:56.5
16945	M1O	04-009/08:54:12.3		NOTE: North Pole Crossing 9181		04-009/08:44:20.4
16946	M1O	04-009/08:54:36.8		NOTE: Enter Earth Occultation 9181		04-009/08:44:45.0
16947	M1O	04-009/08:55:20.0		NOTE: Apoapsis 9181 -		04-009/08:45:28.2
16948	M1O	04-009/09:02:37.8		NOTE: EXIT HGA KEEP OUT ZONE		
16949	M1O	04-009/09:10:33.1		NOTE: Exit Earth Occultation 9181		04-009/09:00:41.2
16950	M1O	04-009/09:10:33.1	43	Acquisition Of X-Band Signal		
16951	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		
16952	M1O	04-009/09:12:22.8		NOTE: Exit Planetary Atmosphere 9181		04-009/09:02:30.8
16953	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
16954	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		
16955	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
16956	M1O	04-009/09:24:12.9		NOTE: Descending Node Crossing 9182		04-009/09:14:21.0
16957	M1O	04-009/09:35:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16958	M1O	04-009/09:40:00.0	43	Range Modulation On: SUP=3.0dB		
16959	M1O	04-009/09:41:00.0	43	Begin Ranging Acquisition		
16960	M1O	04-009/09:53:33.4		NOTE: South Pole Crossing 9182		04-009/09:43:41.4
16961	M1O	04-009/09:53:41.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-009/09:43:49.2
16962	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
16963	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		
16964	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
16965	M1O	04-009/09:54:33.6		NOTE: Periapsis 9182 ----------		04-009/09:44:41.6
16966	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		
16967	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
16968	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		
16969	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
16970	M1O	04-009/10:09:48.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
16971	M1O	04-009/10:19:48.0	43	Range Modulation Off		
16972	M1O	04-009/10:21:38.8		NOTE: Enter Solar Eclipse 9182		04-009/10:11:46.7
16973	M1O	04-009/10:22:51.3		NOTE: Ascending Node Crossing 9182		04-009/10:12:59.2
16974	M1O	04-009/10:24:48.0	43	X-Band Transmitter Off		
16975	M1O	04-009/10:41:37.3		NOTE: Exit Solar Eclipse 9182		04-009/10:31:45.1
16976	M1O	04-009/10:43:29.4		SPAWN, Engine = 65535, Parameters = 3, 00:31:07, 1	dpt	04-009/10:33:37.2
16977	M1O	04-009/10:43:31.5		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-009/10:33:39.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
16978	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		
16979	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
16980	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		
16981	M1O	04-009/10:44:33.2		NOTE: ENTER HGA KEEP OUT ZONE		
16982	M1O	04-009/10:44:33.2	43	NOTE: Loss Of X-Band Signal		
16983	M1O	04-009/10:49:55.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
16984	M1O	04-009/10:51:25.5		NOTE: Enter Planetary Atmosphere 9182		04-009/10:41:33.3
16985	M1O	04-009/10:52:49.0		NOTE: North Pole Crossing 9182		04-009/10:42:56.7
16986	M1O	04-009/10:53:14.4		NOTE: Enter Earth Occultation 9182		04-009/10:43:22.1
16987	M1O	04-009/10:54:26.6		NOTE: Apoapsis 9182 -		04-009/10:44:34.3
16988	M1O	04-009/10:54:55.0	43	Range Modulation On: SUP=3.0dB		
16989	M1O	04-009/10:55:55.0	43	Begin Ranging Acquisition		
16990	M1O	04-009/11:01:13.2		NOTE: EXIT HGA KEEP OUT ZONE		
16991	M1O	04-009/11:09:07.2		NOTE: Exit Earth Occultation 9182		04-009/10:59:14.9
16992	M1O	04-009/11:09:07.2	43	Acquisition Of X-Band Signal		
16993	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		
16994	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		
16995	M1O	04-009/11:10:57.2		NOTE: Exit Planetary Atmosphere 9182		04-009/11:01:04.9
16996	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
16997	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		
16998	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
16999	M1O	04-009/11:22:49.7		NOTE: Descending Node Crossing 9183		04-009/11:12:57.3
17000	M1O	04-009/11:52:10.3		NOTE: South Pole Crossing 9183		04-009/11:42:17.9
17001	M1O	04-009/11:53:32.1		NOTE: Periapsis 9183 ----------		04-009/11:43:39.7
17002	M1O	04-009/12:00:14.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
17003	M1O	04-009/12:10:14.0	43	Range Modulation Off		
17004	M1O	04-009/12:15:14.0	43	X-Band Transmitter Off		
17005	M1O	04-009/12:15:14.9	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
17006	M1O	04-009/12:20:13.0		NOTE: Enter Solar Eclipse 9183		04-009/12:10:20.5
17007	M1O	04-009/12:21:27.6		NOTE: Ascending Node Crossing 9183		04-009/12:11:35.1
17008	M1O	04-009/12:26:48.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-009/12:16:56.0
17009	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
17010	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
17011	M1O	04-009/12:27:06.3		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 5, 2004-007T12:16:56.100, 2004-009T12:16:56.100	PCKTS_RE_TX_TIME	04-009/12:17:13.8
17012	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
17013	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
17014	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
17015	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
17016	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		
17017	M1O	04-009/12:34:10.3		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-009/12:24:17.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
17018	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		
17019	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
17020	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
17021	M1O	04-009/12:34:27.3	43	D/L RF Warning: SC antenna change - expect signal level variation		
17022	M1O	04-009/12:34:28.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-009/12:24:35.8
17023	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		
17024	M1O	04-009/12:35:00.0	43	End Tracking		
17025	M1O	04-009/12:40:14.5		NOTE: Exit Solar Eclipse 9183		04-009/12:30:21.9
17026	M1O	04-009/12:43:29.5		NOTE: ENTER HGA KEEP OUT ZONE		
17027	M1O	04-009/12:50:00.0	43	End Post-Cal		
17028	M1O	04-009/12:50:00.2		NOTE: Enter Planetary Atmosphere 9183		04-009/12:40:07.6
17029	M1O	04-009/12:51:25.2		NOTE: North Pole Crossing 9183		04-009/12:41:32.6
17030	M1O	04-009/12:51:49.0		NOTE: Enter Earth Occultation 9183		04-009/12:41:56.4
17031	M1O	04-009/12:53:19.4		NOTE: Apoapsis 9183 -		04-009/12:43:26.8
17032	M1O	04-009/12:59:49.6		NOTE: EXIT HGA KEEP OUT ZONE		
17033	M1O	04-009/13:07:43.5		NOTE: Exit Earth Occultation 9183		04-009/12:57:50.8
17034	M1O	04-009/13:09:33.3		NOTE: Exit Planetary Atmosphere 9183		04-009/12:59:40.7
17035	M1O	04-009/13:21:26.1		NOTE: Descending Node Crossing 9184		04-009/13:11:33.4
17036	M1O	04-009/13:40:00.0	63	Begin Pre-Cal		
17037	M1O	04-009/13:40:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17038	M1O	04-009/13:40:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17039	M1O	04-009/13:40:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17040	M1O	04-009/13:40:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17041	M1O	04-009/13:40:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17042	M1O	04-009/13:40:00.0	63	Config: RCV: Parms:		
17043	M1O	04-009/13:40:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17044	M1O	04-009/13:40:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
17045	M1O	04-009/13:40:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
17046	M1O	04-009/13:50:45.8		NOTE: South Pole Crossing 9184		04-009/13:40:53.0
17047	M1O	04-009/13:52:10.6		NOTE: Periapsis 9184 ----------		04-009/13:42:17.8
17048	M1O	04-009/14:18:44.9		NOTE: Enter Solar Eclipse 9184		04-009/14:08:52.0
17049	M1O	04-009/14:20:01.8		NOTE: Ascending Node Crossing 9184		04-009/14:10:08.9
17050	M1O	04-009/14:38:50.6		NOTE: Exit Solar Eclipse 9184		04-009/14:28:57.7
17051	M1O	04-009/14:41:45.9		NOTE: ENTER HGA KEEP OUT ZONE		
17052	M1O	04-009/14:48:30.6		NOTE: Enter Planetary Atmosphere 9184		04-009/14:38:37.6
17053	M1O	04-009/14:49:59.2		NOTE: North Pole Crossing 9184		04-009/14:40:06.2
17054	M1O	04-009/14:50:18.7		NOTE: Enter Earth Occultation 9184		04-009/14:40:25.7
17055	M1O	04-009/14:51:43.8		NOTE: Apoapsis 9184 -		04-009/14:41:50.8
17056	M1O	04-009/14:58:25.9		NOTE: EXIT HGA KEEP OUT ZONE		
17057	M1O	04-009/15:06:20.3		NOTE: Exit Earth Occultation 9184		04-009/14:56:27.2
17058	M1O	04-009/15:08:09.5		NOTE: Exit Planetary Atmosphere 9184		04-009/14:58:16.5
17059	M1O	04-009/15:09:35.5		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-009/14:59:42.5
17060	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
17061	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
17062	M1O	04-009/15:09:37.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-009/14:59:44.6
17063	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
17064	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
17065	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17066	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
17067	M1O	04-009/15:10:00.0	63	Begin Tracking		
17068	M1O	04-009/15:10:00.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17069	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
17070	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
17071	M1O	04-009/15:15:00.6	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17072	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
17073	M1O	04-009/15:19:59.8		NOTE: Descending Node Crossing 9185		04-009/15:10:06.7
17074	M1O	04-009/15:49:18.2		NOTE: South Pole Crossing 9185		04-009/15:39:25.1
17075	M1O	04-009/15:50:24.7		NOTE: Periapsis 9185 ----------		04-009/15:40:31.6
17076	M1O	04-009/16:17:16.7		NOTE: Enter Solar Eclipse 9185		04-009/16:07:23.5
17077	M1O	04-009/16:18:33.7		NOTE: Ascending Node Crossing 9185		04-009/16:08:40.4
17078	M1O	04-009/16:37:24.1		NOTE: Exit Solar Eclipse 9185		04-009/16:27:30.8
17079	M1O	04-009/16:39:17.3		SPAWN, Engine = 65535, Parameters = 3, 00:30:34.402, 1	dpt	04-009/16:29:24.0
17080	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
17081	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		
17082	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
17083	M1O	04-009/16:40:19.3		NOTE: ENTER HGA KEEP OUT ZONE		
17084	M1O	04-009/16:40:19.3	63	NOTE: Loss Of X-Band Signal		
17085	M1O	04-009/16:46:58.3		NOTE: Enter Planetary Atmosphere 9185		04-009/16:37:04.9
17086	M1O	04-009/16:48:30.5		NOTE: North Pole Crossing 9185		04-009/16:38:37.2
17087	M1O	04-009/16:48:45.8		NOTE: Enter Earth Occultation 9185		04-009/16:38:52.4
17088	M1O	04-009/16:49:57.7		NOTE: Apoapsis 9185 -		04-009/16:40:04.4
17089	M1O	04-009/16:56:59.3		NOTE: EXIT HGA KEEP OUT ZONE		
17090	M1O	04-009/17:04:53.7		NOTE: Exit Earth Occultation 9185		04-009/16:55:00.4
17091	M1O	04-009/17:04:53.7	63	Acquisition Of X-Band Signal		
17092	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		
17093	M1O	04-009/17:06:42.4		NOTE: Exit Planetary Atmosphere 9185		04-009/16:56:49.0
17094	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
17095	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		
17096	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
17097	M1O	04-009/17:18:30.1		NOTE: Descending Node Crossing 9186		04-009/17:08:36.7
17098	M1O	04-009/17:47:48.8		NOTE: South Pole Crossing 9186		04-009/17:37:55.3
17099	M1O	04-009/17:48:41.3		NOTE: Periapsis 9186 ----------		04-009/17:38:47.8
17100	M1O	04-009/18:15:00.0	14	Begin Pre-Cal		
17101	M1O	04-009/18:15:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17102	M1O	04-009/18:15:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17103	M1O	04-009/18:15:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17104	M1O	04-009/18:15:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17105	M1O	04-009/18:15:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17106	M1O	04-009/18:15:00.0	14	Config: RCV: Parms:		
17107	M1O	04-009/18:15:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17108	M1O	04-009/18:15:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
17109	M1O	04-009/18:15:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
17110	M1O	04-009/18:15:49.6		NOTE: Enter Solar Eclipse 9186		04-009/18:05:56.0
17111	M1O	04-009/18:17:05.3		NOTE: Ascending Node Crossing 9186		04-009/18:07:11.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17112	M1O	04-009/18:35:52.8		NOTE: Exit Solar Eclipse 9186		04-009/18:25:59.2
17113	M1O	04-009/18:37:47.6		SPAWN, Engine = 65535, Parameters = 3, 00:30:31.529, 1	dpt	04-009/18:27:54.0
17114	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
17115	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		
17116	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
17117	M1O	04-009/18:38:49.6		NOTE: ENTER HGA KEEP OUT ZONE		
17118	M1O	04-009/18:38:49.6	63	NOTE: Loss Of X-Band Signal		
17119	M1O	04-009/18:45:33.4		NOTE: Enter Planetary Atmosphere 9186		04-009/18:35:39.6
17120	M1O	04-009/18:47:02.2		NOTE: North Pole Crossing 9186		04-009/18:37:08.5
17121	M1O	04-009/18:47:21.7		NOTE: Enter Earth Occultation 9186		04-009/18:37:28.0
17122	M1O	04-009/18:48:32.4		NOTE: Apoapsis 9186 -		04-009/18:38:38.7
17123	M1O	04-009/18:55:29.7		NOTE: EXIT HGA KEEP OUT ZONE		
17124	M1O	04-009/19:03:21.2		NOTE: Exit Earth Occultation 9186		04-009/18:53:27.5
17125	M1O	04-009/19:03:21.2	63	Acquisition Of X-Band Signal		
17126	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		
17127	M1O	04-009/19:05:10.8		NOTE: Exit Planetary Atmosphere 9186		04-009/18:55:17.0
17128	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
17129	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		
17130	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
17131	M1O	04-009/19:17:01.8		NOTE: Descending Node Crossing 9187		04-009/19:07:08.0
17132	M1O	04-009/19:46:21.3		NOTE: South Pole Crossing 9187		04-009/19:36:27.4
17133	M1O	04-009/19:47:14.3		NOTE: Periapsis 9187 ----------		04-009/19:37:20.4
17134	M1O	04-009/20:00:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17135	M1O	04-009/20:02:33.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
17136	M1O	04-009/20:05:00.0	63	Range Modulation On: SUP=3.0dB		
17137	M1O	04-009/20:06:00.0	63	Begin Ranging Acquisition		
17138	M1O	04-009/20:12:33.0	63	Range Modulation Off		
17139	M1O	04-009/20:14:23.8		NOTE: Enter Solar Eclipse 9187		04-009/20:04:29.9
17140	M1O	04-009/20:15:00.0	14	Begin Tracking		
17141	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		
17142	M1O	04-009/20:15:38.7		NOTE: Ascending Node Crossing 9187		04-009/20:05:44.7
17143	M1O	04-009/20:17:33.0	63	X-Band Transmitter Off		
17144	M1O	04-009/20:18:45.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-009/20:08:51.4
17145	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
17146	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		
17147	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		
17148	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
17149	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		
17150	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		
17151	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
17152	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		
17153	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17154	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
17155	M1O	04-009/20:34:21.0		NOTE: Exit Solar Eclipse 9187		04-009/20:24:26.9
17156	M1O	04-009/20:36:18.5		SPAWN, Engine = 65535, Parameters = 3, 00:31:00, 1	dpt	04-009/20:26:24.4
17157	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
17158	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		
17159	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		
17160	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
17161	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		
17162	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		
17163	M1O	04-009/20:37:22.0		NOTE: ENTER HGA KEEP OUT ZONE		
17164	M1O	04-009/20:37:22.0	14	NOTE: Loss Of X-Band Signal		
17165	M1O	04-009/20:37:22.0	63	NOTE: Loss Of X-Band Signal		
17166	M1O	04-009/20:42:33.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17167	M1O	04-009/20:44:15.9		NOTE: Enter Planetary Atmosphere 9187		04-009/20:34:21.8
17168	M1O	04-009/20:45:37.0		NOTE: North Pole Crossing 9187		04-009/20:35:42.9
17169	M1O	04-009/20:46:05.8		NOTE: Enter Earth Occultation 9187		04-009/20:36:11.7
17170	M1O	04-009/20:47:08.0		NOTE: Apoapsis 9187 -		04-009/20:37:13.9
17171	M1O	04-009/20:47:33.0	63	Range Modulation On: SUP=3.0dB		
17172	M1O	04-009/20:48:33.0	63	Begin Ranging Acquisition		
17173	M1O	04-009/20:53:42.1		NOTE: EXIT HGA KEEP OUT ZONE		
17174	M1O	04-009/21:01:49.5		NOTE: Exit Earth Occultation 9187		04-009/20:51:55.3
17175	M1O	04-009/21:01:49.5	14	Acquisition Of X-Band Signal		
17176	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		
17177	M1O	04-009/21:01:49.5	63	Acquisition Of X-Band Signal		
17178	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		
17179	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		
17180	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		
17181	M1O	04-009/21:03:40.5		NOTE: Exit Planetary Atmosphere 9187		04-009/20:53:46.4
17182	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
17183	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		
17184	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		
17185	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
17186	M1O	04-009/21:15:38.0		NOTE: Descending Node Crossing 9188		04-009/21:05:43.9
17187	M1O	04-009/21:44:57.5		NOTE: South Pole Crossing 9188		04-009/21:35:03.3
17188	M1O	04-009/21:45:55.1		NOTE: Periapsis 9188 ----------		04-009/21:36:00.9
17189	M1O	04-009/22:01:29.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
17190	M1O	04-009/22:11:29.0	63	Range Modulation Off		
17191	M1O	04-009/22:12:59.0		NOTE: Enter Solar Eclipse 9188		04-009/22:03:04.7
17192	M1O	04-009/22:14:14.5		NOTE: Ascending Node Crossing 9188		04-009/22:04:20.1
17193	M1O	04-009/22:16:29.0	63	X-Band Transmitter Off		
17194	M1O	04-009/22:32:53.7		NOTE: Exit Solar Eclipse 9188		04-009/22:22:59.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17195	M1O	04-009/22:35:14.9		SPAWN, Engine = 65535, Parameters = 3, 00:30:38, 1	dpt	04-009/22:25:20.4
17196	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
17197	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		
17198	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		
17199	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
17200	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		
17201	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		
17202	M1O	04-009/22:36:18.4		NOTE: ENTER HGA KEEP OUT ZONE		
17203	M1O	04-009/22:36:18.4	14	NOTE: Loss Of X-Band Signal		
17204	M1O	04-009/22:36:18.4	63	NOTE: Loss Of X-Band Signal		
17205	M1O	04-009/22:41:07.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17206	M1O	04-009/22:42:55.7		NOTE: Enter Planetary Atmosphere 9188		04-009/22:33:01.2
17207	M1O	04-009/22:44:13.4		NOTE: North Pole Crossing 9188		04-009/22:34:19.0
17208	M1O	04-009/22:44:46.2		NOTE: Enter Earth Occultation 9188		04-009/22:34:51.8
17209	M1O	04-009/22:45:36.9		NOTE: Apoapsis 9188 -		04-009/22:35:42.4
17210	M1O	04-009/22:46:07.0	63	Range Modulation On: SUP=3.0dB		
17211	M1O	04-009/22:47:07.0	63	Begin Ranging Acquisition		
17212	M1O	04-009/22:52:18.4		NOTE: EXIT HGA KEEP OUT ZONE		
17213	M1O	04-009/22:55:00.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
17214	M1O	04-009/23:00:23.4		NOTE: Exit Earth Occultation 9188		04-009/22:50:28.9
17215	M1O	04-009/23:00:23.4	14	Acquisition Of X-Band Signal		
17216	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		
17217	M1O	04-009/23:00:23.4	63	Acquisition Of X-Band Signal		
17218	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		
17219	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		
17220	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		
17221	M1O	04-009/23:02:15.1		NOTE: Exit Planetary Atmosphere 9188		04-009/22:52:20.6
17222	M1O	04-009/23:05:00.0	63	Range Modulation Off		
17223	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
17224	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		
17225	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		
17226	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
17227	M1O	04-009/23:10:00.0	63	X-Band Transmitter Off		
17228	M1O	04-009/23:14:15.1		NOTE: Descending Node Crossing 9189		04-009/23:04:20.5
17229	M1O	04-009/23:15:10.8	63	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
17230	M1O	04-009/23:21:37.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-009/23:11:43.0
17231	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
17232	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
17233	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17234	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
17235	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
17236	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
17237	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
17238	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		
17239	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		
17240	M1O	04-009/23:22:27.0	63	NOTE: Below Uplink Interlock Limit		
17241	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
17242	M1O	04-009/23:27:15.6		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-009/23:17:21.1
17243	M1O	04-009/23:27:16.6		Forces a desaturation of the reaction wheels.	RW_DESAT	04-009/23:17:22.1
17244	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
17245	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		
17246	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		
17247	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
17248	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
17249	M1O	04-009/23:29:16.3	14	D/L RF Warning: SC antenna change - expect signal level variation		
17250	M1O	04-009/23:29:16.3	63	D/L RF Warning: SC antenna change - expect signal level variation		
17251	M1O	04-009/23:29:17.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-009/23:19:22.8
17252	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		
17253	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		
17254	M1O	04-009/23:35:00.0	63	End Tracking		
17255	M1O	04-009/23:38:46.7		CALL, Engine = , Parameters = FALSE	park_hga	04-009/23:28:52.1
17256	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
17257	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
17258	M1O	04-009/23:38:48.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-009/23:28:54.1
17259	M1O	04-009/23:38:48.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-009/23:28:54.1
17260	M1O	04-009/23:38:48.7		NOTE: START HGA PARK		
17261	M1O	04-009/23:38:48.7	14	NOTE: Loss Of X-Band Signal		
17262	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
17263	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
17264	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
17265	M1O	04-009/23:43:34.4		NOTE: South Pole Crossing 9189		04-009/23:33:39.8
17266	M1O	04-009/23:44:28.2		NOTE: Periapsis 9189 ----------		04-009/23:34:33.6
17267	M1O	04-009/23:46:50.7		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-009/23:36:56.1
17268	M1O	04-009/23:46:50.7		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-009/23:36:56.1
17269	M1O	04-009/23:50:00.0	63	End Post-Cal		
17270	M1O	04-010/00:00:00.0		Light Time: OWLT = 09:54, RTLT = 19:49		
17271	M1O	04-010/00:00:00.0	25	Begin Pre-Cal		
17272	M1O	04-010/00:00:00.0	25	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
17273	M1O	04-010/00:00:00.0	25	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
17274	M1O	04-010/00:00:00.0	25	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17275	M1O	04-010/00:00:00.0	25	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17276	M1O	04-010/00:00:00.0	25	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17277	M1O	04-010/00:00:00.0	25	Config: RCV: Parms:		
17278	M1O	04-010/00:00:00.0	25	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17279	M1O	04-010/00:00:00.0	25	Config: TGC: BAND=X, SR=221200.000000		
17280	M1O	04-010/00:00:00.0	25	Config: TXL		
17281	M1O	04-010/00:00:00.0	25	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
17282	M1O	04-010/00:00:00.0	25	Config: CMD		
17283	M1O	04-010/00:00:00.0	25	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
17284	M1O	04-010/00:11:35.5		NOTE: Enter Solar Eclipse 9189		04-010/00:01:40.8
17285	M1O	04-010/00:12:51.2		NOTE: Ascending Node Crossing 9189		04-010/00:02:56.5
17286	M1O	04-010/00:16:50.7		GV: GV_DESAT_ACTIVE = 1		04-010/00:06:56.0
17287	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
17288	M1O	04-010/00:16:51.7		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-010/00:06:57.0
17289	M1O	04-010/00:26:50.7		GV: GV_DESAT_ACTIVE = 0		04-010/00:16:56.0
17290	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
17291	M1O	04-010/00:26:52.7		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-010/00:16:58.0
17292	M1O	04-010/00:26:53.7		CALL, Engine = , Parameters =	unpark_hga	04-010/00:16:59.0
17293	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
17294	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
17295	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
17296	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
17297	M1O	04-010/00:31:30.6		NOTE: Exit Solar Eclipse 9189		04-010/00:21:35.8
17298	M1O	04-010/00:34:54.8		NOTE: ENTER HGA KEEP OUT ZONE		
17299	M1O	04-010/00:35:25.7		NOTE: EXIT HGA PARK		
17300	M1O	04-010/00:41:29.7		NOTE: Enter Planetary Atmosphere 9189		04-010/00:31:34.9
17301	M1O	04-010/00:42:49.7		NOTE: North Pole Crossing 9189		04-010/00:32:54.9
17302	M1O	04-010/00:43:19.8		NOTE: Enter Earth Occultation 9189		04-010/00:33:24.9
17303	M1O	04-010/00:43:57.8		NOTE: Apoapsis 9189 -		04-010/00:34:03.0
17304	M1O	04-010/00:45:00.0	25	Begin Tracking		
17305	M1O	04-010/00:46:00.0	25	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17306	M1O	04-010/00:50:54.8		NOTE: EXIT HGA KEEP OUT ZONE		
17307	M1O	04-010/00:51:00.0	25	Range Modulation On: SUP=3.0dB		
17308	M1O	04-010/00:52:00.0	25	Begin Ranging Acquisition		
17309	M1O	04-010/00:58:36.5		SPAWN, Engine = 65535, Parameters = 00:11:47.894	cstr	04-010/00:48:41.7
17310	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
17311	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
17312	M1O	04-010/00:58:38.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-010/00:48:43.8
17313	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
17314	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
17315	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
17316	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
17317	M1O	04-010/00:59:01.5		NOTE: Exit Earth Occultation 9189		04-010/00:49:06.7
17318	M1O	04-010/00:59:01.5	14	Acquisition Of X-Band Signal		
17319	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,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
17320	M1O	04-010/00:59:01.5	25	Acquisition Of X-Band Signal		
17321	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		
17322	M1O	04-010/01:00:00.0	43	Begin Pre-Cal		
17323	M1O	04-010/01:00:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17324	M1O	04-010/01:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17325	M1O	04-010/01:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17326	M1O	04-010/01:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17327	M1O	04-010/01:00:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17328	M1O	04-010/01:00:00.0	43	Config: RCV: Parms:		
17329	M1O	04-010/01:00:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17330	M1O	04-010/01:00:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
17331	M1O	04-010/01:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
17332	M1O	04-010/01:00:52.8		NOTE: Exit Planetary Atmosphere 9189		04-010/00:50:57.9
17333	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		
17334	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		
17335	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
17336	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
17337	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		
17338	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		
17339	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
17340	M1O	04-010/01:12:50.6		NOTE: Descending Node Crossing 9190		04-010/01:02:55.7
17341	M1O	04-010/01:42:10.1		NOTE: South Pole Crossing 9190		04-010/01:32:15.1
17342	M1O	04-010/01:43:02.7		NOTE: Periapsis 9190 ----------		04-010/01:33:07.7
17343	M1O	04-010/01:58:39.0	25	NOTE: X-Band Transmitter Off in 15 minutes		
17344	M1O	04-010/02:08:39.0	25	Range Modulation Off		
17345	M1O	04-010/02:10:11.1		NOTE: Enter Solar Eclipse 9190		04-010/02:00:16.0
17346	M1O	04-010/02:11:26.9		NOTE: Ascending Node Crossing 9190		04-010/02:01:31.8
17347	M1O	04-010/02:13:39.0	25	X-Band Transmitter Off		
17348	M1O	04-010/02:30:09.2		NOTE: Exit Solar Eclipse 9190		04-010/02:20:14.0
17349	M1O	04-010/02:32:26.7		SPAWN, Engine = 65535, Parameters = 3, 00:30:43, 1	dpt	04-010/02:22:31.6
17350	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
17351	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		
17352	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		
17353	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
17354	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		
17355	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		
17356	M1O	04-010/02:33:30.1		NOTE: ENTER HGA KEEP OUT ZONE		
17357	M1O	04-010/02:33:30.1	14	NOTE: Loss Of X-Band Signal		
17358	M1O	04-010/02:33:30.1	25	NOTE: Loss Of X-Band Signal		
17359	M1O	04-010/02:38:22.0	25	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17360	M1O	04-010/02:39:58.2		NOTE: Enter Planetary Atmosphere 9190		04-010/02:30:03.0
17361	M1O	04-010/02:41:24.2		NOTE: North Pole Crossing 9190		04-010/02:31:29.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17362	M1O	04-010/02:41:47.2		NOTE: Enter Earth Occultation 9190		04-010/02:31:52.0
17363	M1O	04-010/02:42:28.6		NOTE: Apoapsis 9190 -		04-010/02:32:33.4
17364	M1O	04-010/02:43:22.0	25	Range Modulation On: SUP=3.0dB		
17365	M1O	04-010/02:44:22.0	25	Begin Ranging Acquisition		
17366	M1O	04-010/02:45:00.0	43	Begin Tracking		
17367	M1O	04-010/02:49:30.2		NOTE: EXIT HGA KEEP OUT ZONE		
17368	M1O	04-010/02:50:03.0	43	NOTE: Above Uplink Interlock Limit		
17369	M1O	04-010/02:57:40.0		NOTE: Exit Earth Occultation 9190		04-010/02:47:44.7
17370	M1O	04-010/02:57:40.0	14	Acquisition Of X-Band Signal		
17371	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		
17372	M1O	04-010/02:57:40.0	25	Acquisition Of X-Band Signal		
17373	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		
17374	M1O	04-010/02:57:40.0	43	Acquisition Of X-Band Signal		
17375	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		
17376	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		
17377	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		
17378	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		
17379	M1O	04-010/02:59:30.1		NOTE: Exit Planetary Atmosphere 9190		04-010/02:49:34.9
17380	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
17381	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		
17382	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		
17383	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		
17384	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
17385	M1O	04-010/03:11:23.8		NOTE: Descending Node Crossing 9191		04-010/03:01:28.5
17386	M1O	04-010/03:40:42.9		NOTE: South Pole Crossing 9191		04-010/03:30:47.5
17387	M1O	04-010/03:41:37.5		NOTE: Periapsis 9191 ----------		04-010/03:31:42.1
17388	M1O	04-010/03:57:12.0	25	NOTE: X-Band Transmitter Off in 15 minutes		
17389	M1O	04-010/04:07:12.0	25	Range Modulation Off		
17390	M1O	04-010/04:08:43.0		NOTE: Enter Solar Eclipse 9191		04-010/03:58:47.5
17391	M1O	04-010/04:09:59.5		NOTE: Ascending Node Crossing 9191		04-010/04:00:04.0
17392	M1O	04-010/04:12:12.0	25	X-Band Transmitter Off		
17393	M1O	04-010/04:28:44.0		NOTE: Exit Solar Eclipse 9191		04-010/04:18:48.5
17394	M1O	04-010/04:31:00.1		SPAWN, Engine = 65535, Parameters = 3, 00:30:43, 1	dpt	04-010/04:21:04.6
17395	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
17396	M1O	04-010/04:31:02.2	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		
17397	M1O	04-010/04:31:02.2	25	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17398	M1O	04-010/04:31:02.2	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		
17399	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
17400	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17401	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		
17402	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		
17403	M1O	04-010/04:32:03.5		NOTE: ENTER HGA KEEP OUT ZONE		
17404	M1O	04-010/04:32:03.5	14	NOTE: Loss Of X-Band Signal		
17405	M1O	04-010/04:32:03.5	25	NOTE: Loss Of X-Band Signal		
17406	M1O	04-010/04:32:03.5	43	NOTE: Loss Of X-Band Signal		
17407	M1O	04-010/04:36:55.0	25	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17408	M1O	04-010/04:38:26.3		NOTE: Enter Planetary Atmosphere 9191		04-010/04:28:30.7
17409	M1O	04-010/04:39:56.2		NOTE: North Pole Crossing 9191		04-010/04:30:00.6
17410	M1O	04-010/04:40:14.7		NOTE: Enter Earth Occultation 9191		04-010/04:30:19.2
17411	M1O	04-010/04:41:12.9		NOTE: Apoapsis 9191 -		04-010/04:31:17.3
17412	M1O	04-010/04:41:55.0	25	Range Modulation On: SUP=3.0dB		
17413	M1O	04-010/04:42:55.0	25	Begin Ranging Acquisition		
17414	M1O	04-010/04:48:03.5		NOTE: EXIT HGA KEEP OUT ZONE		
17415	M1O	04-010/04:56:13.5		NOTE: Exit Earth Occultation 9191		04-010/04:46:17.8
17416	M1O	04-010/04:56:13.5	14	Acquisition Of X-Band Signal		
17417	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		
17418	M1O	04-010/04:56:13.5	25	Acquisition Of X-Band Signal		
17419	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		
17420	M1O	04-010/04:56:13.5	43	Acquisition Of X-Band Signal		
17421	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		
17422	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		
17423	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		
17424	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		
17425	M1O	04-010/04:58:03.1		NOTE: Exit Planetary Atmosphere 9191		04-010/04:48:07.5
17426	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
17427	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		
17428	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		
17429	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		
17430	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
17431	M1O	04-010/05:09:55.2		NOTE: Descending Node Crossing 9192		04-010/04:59:59.6
17432	M1O	04-010/05:39:13.4		NOTE: South Pole Crossing 9192		04-010/05:29:17.7
17433	M1O	04-010/05:39:59.4		NOTE: Periapsis 9192 ----------		04-010/05:30:03.6
17434	M1O	04-010/05:55:22.0	25	NOTE: X-Band Transmitter Off in 15 minutes		
17435	M1O	04-010/06:05:22.0	25	Range Modulation Off		
17436	M1O	04-010/06:07:13.4		NOTE: Enter Solar Eclipse 9192		04-010/05:57:17.6
17437	M1O	04-010/06:08:29.5		NOTE: Ascending Node Crossing 9192		04-010/05:58:33.7
17438	M1O	04-010/06:10:22.0	25	X-Band Transmitter Off		
17439	M1O	04-010/06:27:10.8		NOTE: Exit Solar Eclipse 9192		04-010/06:17:14.9
17440	M1O	04-010/06:29:11.6		SPAWN, Engine = 65535, Parameters = 3, 00:30:27.570, 1	dpt	04-010/06:19:15.7
17441	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17442	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		
17443	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		
17444	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		
17445	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
17446	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		
17447	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		
17448	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		
17449	M1O	04-010/06:30:14.9		NOTE: ENTER HGA KEEP OUT ZONE		
17450	M1O	04-010/06:30:14.9	14	NOTE: Loss Of X-Band Signal		
17451	M1O	04-010/06:30:14.9	25	NOTE: Loss Of X-Band Signal		
17452	M1O	04-010/06:30:14.9	43	NOTE: Loss Of X-Band Signal		
17453	M1O	04-010/06:37:01.4		NOTE: Enter Planetary Atmosphere 9192		04-010/06:27:05.4
17454	M1O	04-010/06:38:27.2		NOTE: North Pole Crossing 9192		04-010/06:28:31.3
17455	M1O	04-010/06:38:50.6		NOTE: Enter Earth Occultation 9192		04-010/06:28:54.7
17456	M1O	04-010/06:39:28.8		NOTE: Apoapsis 9192 -		04-010/06:29:32.9
17457	M1O	04-010/06:46:34.9		NOTE: EXIT HGA KEEP OUT ZONE		
17458	M1O	04-010/06:51:17.0	25	NOTE: Below Uplink Interlock Limit		
17459	M1O	04-010/06:52:50.0	14	NOTE: Below Uplink Interlock Limit		
17460	M1O	04-010/06:54:41.2		NOTE: Exit Earth Occultation 9192		04-010/06:44:45.2
17461	M1O	04-010/06:54:41.2	14	Acquisition Of X-Band Signal		
17462	M1O	04-010/06:54:41.2	14	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17463	M1O	04-010/06:54:41.2	25	Acquisition Of X-Band Signal		
17464	M1O	04-010/06:54:41.2	25	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17465	M1O	04-010/06:54:41.2	43	Acquisition Of X-Band Signal		
17466	M1O	04-010/06:54:41.2	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17467	M1O	04-010/06:56:31.7		NOTE: Exit Planetary Atmosphere 9192		04-010/06:46:35.7
17468	M1O	04-010/06:59:41.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-010/06:49:45.3
17469	M1O	04-010/06:59:41.4	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17470	M1O	04-010/06:59:41.4	25	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17471	M1O	04-010/06:59:41.4	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17472	M1O	04-010/06:59:42.4		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-010/06:49:46.3
17473	M1O	04-010/07:00:00.0	14	End Tracking		
17474	M1O	04-010/07:00:00.0	25	End Tracking		
17475	M1O	04-010/07:08:27.0		NOTE: Descending Node Crossing 9193		04-010/06:58:31.0
17476	M1O	04-010/07:09:56.0		SPAWN, Engine = 65535, Parameters =	scdiag	04-010/07:00:00.0
17477	M1O	04-010/07:09:57.1		Causes the creation of a non-channelized packet containing the star camera pixel average.	SC_PIXL_AVG_DUMP	04-010/07:00:01.1
17478	M1O	04-010/07:09:58.1		Causes the creation of a non-channelized packet containing the star camera BLOB locations.	SC_BLOB_LOC_DUMP	04-010/07:00:02.1
17479	M1O	04-010/07:10:59.0		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-010/07:01:03.0
17480	M1O	04-010/07:10:59.2		NOTE: Start Block fsw_diag		04-010/07:01:03.2
17481	M1O	04-010/07:11:00.2		Creates a non-channelized telemetry packet for APID 7.: 1000	CMD_HISTORY_DUMP	04-010/07:01:04.2
17482	M1O	04-010/07:11:01.2		Causes flight software to execute the VXWorks shell command contained in the parameter.: [0x66617374,0x50617274,0x53686F77,0x28686561,0x705F6765,0x745F7061,0x72746974,0x696F6E28,	FSW_VX_CMD	04-010/07:01:05.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				0x68656170,0x5F676574,0x5F686472,0x28302929,0x2C30293B,0x64202668,0x65617043,0x6F616C65, 0x73636543,0x6F756E74,0x2C312C34,0x0000]		
17483	M1O	04-010/07:11:12.2		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	04-010/07:01:16.2
17484	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
17485	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
17486	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
17487	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
17488	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
17489	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
17490	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
17491	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
17492	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
17493	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
17494	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
17495	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
17496	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
17497	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
17498	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
17499	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
17500	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
17501	M1O	04-010/07:14:10.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-010/07:04:14.2
17502	M1O	04-010/07:14:21.2		NOTE: End Block fsw_diag.mod		04-010/07:04:25.2
17503	M1O	04-010/07:15:00.0	14	End Post-Cal		
17504	M1O	04-010/07:15:00.0	25	End Post-Cal		
17505	M1O	04-010/07:37:45.2		NOTE: South Pole Crossing 9193		04-010/07:27:49.1
17506	M1O	04-010/07:38:09.9		NOTE: Periapsis 9193 ----------		04-010/07:28:13.8
17507	M1O	04-010/08:05:48.5		NOTE: Enter Solar Eclipse 9193		04-010/07:55:52.3
17508	M1O	04-010/08:07:02.2		NOTE: Ascending Node Crossing 9193		04-010/07:57:06.0
17509	M1O	04-010/08:25:37.9		NOTE: Exit Solar Eclipse 9193		04-010/08:15:41.6
17510	M1O	04-010/08:27:45.2		SPAWN, Engine = 65535, Parameters = 3, 00:30:22.038, 1	dpt	04-010/08:17:49.0
17511	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
17512	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		
17513	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
17514	M1O	04-010/08:28:47.2		NOTE: ENTER HGA KEEP OUT ZONE		
17515	M1O	04-010/08:28:47.2	43	NOTE: Loss Of X-Band Signal		
17516	M1O	04-010/08:35:41.8		NOTE: Enter Planetary Atmosphere 9193		04-010/08:25:45.5
17517	M1O	04-010/08:37:00.9		NOTE: North Pole Crossing 9193		04-010/08:27:04.6
17518	M1O	04-010/08:37:32.4		NOTE: Enter Earth Occultation 9193		04-010/08:27:36.1
17519	M1O	04-010/08:37:45.2		NOTE: Apoapsis 9193 -		04-010/08:27:48.9
17520	M1O	04-010/08:45:07.3		NOTE: EXIT HGA KEEP OUT ZONE		
17521	M1O	04-010/08:53:09.3		NOTE: Exit Earth Occultation 9193		04-010/08:43:13.0
17522	M1O	04-010/08:53:09.3	43	Acquisition Of X-Band Signal		
17523	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		
17524	M1O	04-010/08:55:01.2		NOTE: Exit Planetary Atmosphere 9193		04-010/08:45:04.8
17525	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
17526	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		
17527	M1O	04-010/08:58:10.5		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-010/08:48:14.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
17528	M1O	04-010/09:07:01.3		NOTE: Descending Node Crossing 9194		04-010/08:57:04.9
17529	M1O	04-010/09:36:20.9		NOTE: South Pole Crossing 9194		04-010/09:26:24.4
17530	M1O	04-010/09:36:57.0		NOTE: Periapsis 9194 ----------		04-010/09:27:00.5
17531	M1O	04-010/10:04:25.5		NOTE: Enter Solar Eclipse 9194		04-010/09:54:28.9
17532	M1O	04-010/10:05:38.8		NOTE: Ascending Node Crossing 9194		04-010/09:55:42.3
17533	M1O	04-010/10:24:12.4		NOTE: Exit Solar Eclipse 9194		04-010/10:14:15.7
17534	M1O	04-010/10:26:39.6		SPAWN, Engine = 65535, Parameters = 3, 00:30:31.728, 1	dpt	04-010/10:16:43.0
17535	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
17536	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		
17537	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
17538	M1O	04-010/10:27:41.6		NOTE: ENTER HGA KEEP OUT ZONE		
17539	M1O	04-010/10:27:41.6	43	NOTE: Loss Of X-Band Signal		
17540	M1O	04-010/10:32:21.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17541	M1O	04-010/10:34:20.0		NOTE: Enter Planetary Atmosphere 9194		04-010/10:24:23.4
17542	M1O	04-010/10:35:37.1		NOTE: North Pole Crossing 9194		04-010/10:25:40.4
17543	M1O	04-010/10:36:11.3		NOTE: Enter Earth Occultation 9194		04-010/10:26:14.6
17544	M1O	04-010/10:36:41.9		NOTE: Apoapsis 9194 -		04-010/10:26:45.2
17545	M1O	04-010/10:37:21.0	43	Range Modulation On: SUP=3.0dB		
17546	M1O	04-010/10:38:21.0	43	Begin Ranging Acquisition		
17547	M1O	04-010/10:43:41.7		NOTE: EXIT HGA KEEP OUT ZONE		
17548	M1O	04-010/10:45:00.0	63	Begin Pre-Cal		
17549	M1O	04-010/10:45:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17550	M1O	04-010/10:45:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17551	M1O	04-010/10:45:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17552	M1O	04-010/10:45:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17553	M1O	04-010/10:45:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17554	M1O	04-010/10:45:00.0	63	Config: RCV: Parms:		
17555	M1O	04-010/10:45:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17556	M1O	04-010/10:45:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
17557	M1O	04-010/10:45:00.0	63	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
17558	M1O	04-010/10:51:42.0		NOTE: Exit Earth Occultation 9194		04-010/10:41:45.3
17559	M1O	04-010/10:51:42.0	43	Acquisition Of X-Band Signal		
17560	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		
17561	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		
17562	M1O	04-010/10:53:34.4		NOTE: Exit Planetary Atmosphere 9194		04-010/10:43:37.7
17563	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
17564	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		
17565	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
17566	M1O	04-010/11:05:37.5		NOTE: Descending Node Crossing 9195		04-010/10:55:40.8
17567	M1O	04-010/11:34:57.9		NOTE: South Pole Crossing 9195		04-010/11:25:01.0
17568	M1O	04-010/11:35:58.8		NOTE: Periapsis 9195 ----------		04-010/11:26:02.0
17569	M1O	04-010/11:51:22.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
17570	M1O	04-010/12:01:22.0	43	Range Modulation Off		
17571	M1O	04-010/12:03:00.8		NOTE: Enter Solar Eclipse 9195		04-010/11:53:03.8
17572	M1O	04-010/12:04:15.7		NOTE: Ascending Node Crossing 9195		04-010/11:54:18.8
17573	M1O	04-010/12:06:22.0	43	X-Band Transmitter Off		
17574	M1O	04-010/12:15:00.0	63	Begin Tracking		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17575	M1O	04-010/12:15:00.0	63	Acquire D/L: X/08, 3-Way/43, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17576	M1O	04-010/12:15:05.9	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
17577	M1O	04-010/12:22:49.3		NOTE: Exit Solar Eclipse 9195		04-010/12:12:52.3
17578	M1O	04-010/12:25:13.8		SPAWN, Engine = 65535, Parameters = 3, 00:30:01.070, 1	dpt	04-010/12:15:16.8
17579	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
17580	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		
17581	M1O	04-010/12:25:15.9	63	D/L Change: X/08, 3-Way/43, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17582	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
17583	M1O	04-010/12:26:15.9	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17584	M1O	04-010/12:26:15.9	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17585	M1O	04-010/12:26:17.0		NOTE: ENTER HGA KEEP OUT ZONE		
17586	M1O	04-010/12:26:17.0	43	NOTE: Loss Of X-Band Signal		
17587	M1O	04-010/12:26:17.0	63	NOTE: Loss Of X-Band Signal		
17588	M1O	04-010/12:26:37.0	63	NOTE: Above Uplink Interlock Limit		
17589	M1O	04-010/12:32:56.2		NOTE: Enter Planetary Atmosphere 9195		04-010/12:22:59.1
17590	M1O	04-010/12:33:05.0	43	NOTE: Below Uplink Interlock Limit		
17591	M1O	04-010/12:34:13.6		NOTE: North Pole Crossing 9195		04-010/12:24:16.6
17592	M1O	04-010/12:34:47.6		NOTE: Enter Earth Occultation 9195		04-010/12:24:50.5
17593	M1O	04-010/12:35:00.0	43	End Tracking		
17594	M1O	04-010/12:35:46.3		NOTE: Apoapsis 9195 -		04-010/12:25:49.2
17595	M1O	04-010/12:42:17.0		NOTE: EXIT HGA KEEP OUT ZONE		
17596	M1O	04-010/12:50:00.0	43	End Post-Cal		
17597	M1O	04-010/12:50:17.0		NOTE: Exit Earth Occultation 9195		04-010/12:40:19.9
17598	M1O	04-010/12:50:17.0	63	Acquisition Of X-Band Signal		
17599	M1O	04-010/12:50:17.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17600	M1O	04-010/12:52:09.5		NOTE: Exit Planetary Atmosphere 9195		04-010/12:42:12.4
17601	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
17602	M1O	04-010/12:55:17.1	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17603	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
17604	M1O	04-010/13:04:14.3		NOTE: Descending Node Crossing 9196		04-010/12:54:17.1
17605	M1O	04-010/13:33:34.2		NOTE: South Pole Crossing 9196		04-010/13:23:36.9
17606	M1O	04-010/13:34:48.9		NOTE: Periapsis 9196 ----------		04-010/13:24:51.6
17607	M1O	04-010/14:01:33.8		NOTE: Enter Solar Eclipse 9196		04-010/13:51:36.5
17608	M1O	04-010/14:02:51.0		NOTE: Ascending Node Crossing 9196		04-010/13:52:53.7
17609	M1O	04-010/14:21:26.1		NOTE: Exit Solar Eclipse 9196		04-010/14:11:28.7
17610	M1O	04-010/14:23:52.3		SPAWN, Engine = 65535, Parameters = 3, 00:29:59.614, 1	dpt	04-010/14:13:55.0
17611	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
17612	M1O	04-010/14:23:54.4	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17613	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
17614	M1O	04-010/14:24:54.3		NOTE: ENTER HGA KEEP OUT ZONE		
17615	M1O	04-010/14:24:54.3	63	NOTE: Loss Of X-Band Signal		
17616	M1O	04-010/14:31:28.6		NOTE: Enter Planetary Atmosphere 9196		04-010/14:21:31.1
17617	M1O	04-010/14:32:48.8		NOTE: North Pole Crossing 9196		04-010/14:22:51.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17618	M1O	04-010/14:33:19.5		NOTE: Enter Earth Occultation 9196		04-010/14:23:22.1
17619	M1O	04-010/14:34:23.6		NOTE: Apoapsis 9196 -		04-010/14:24:26.2
17620	M1O	04-010/14:40:54.4		NOTE: EXIT HGA KEEP OUT ZONE		
17621	M1O	04-010/14:48:54.0		NOTE: Exit Earth Occultation 9196		04-010/14:38:56.6
17622	M1O	04-010/14:48:54.0	63	Acquisition Of X-Band Signal		
17623	M1O	04-010/14:48:54.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17624	M1O	04-010/14:50:46.1		NOTE: Exit Planetary Atmosphere 9196		04-010/14:40:48.7
17625	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
17626	M1O	04-010/14:53:54.2	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17627	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
17628	M1O	04-010/15:02:49.4		NOTE: Descending Node Crossing 9197		04-010/14:52:51.9
17629	M1O	04-010/15:32:08.0		NOTE: South Pole Crossing 9197		04-010/15:22:10.3
17630	M1O	04-010/15:33:12.6		NOTE: Periapsis 9197 ----------		04-010/15:23:15.0
17631	M1O	04-010/16:00:05.3		NOTE: Enter Solar Eclipse 9197		04-010/15:50:07.6
17632	M1O	04-010/16:01:23.7		NOTE: Ascending Node Crossing 9197		04-010/15:51:26.0
17633	M1O	04-010/16:20:00.7		NOTE: Exit Solar Eclipse 9197		04-010/16:10:03.0
17634	M1O	04-010/16:22:27.7		SPAWN, Engine = 65535, Parameters = 3, 00:29:59.774, 1	dpt	04-010/16:12:30.0
17635	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
17636	M1O	04-010/16:22:29.8	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17637	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
17638	M1O	04-010/16:23:29.7		NOTE: ENTER HGA KEEP OUT ZONE		
17639	M1O	04-010/16:23:29.7	63	NOTE: Loss Of X-Band Signal		
17640	M1O	04-010/16:29:57.0		NOTE: Enter Planetary Atmosphere 9197		04-010/16:19:59.3
17641	M1O	04-010/16:31:21.2		NOTE: North Pole Crossing 9197		04-010/16:21:23.4
17642	M1O	04-010/16:31:47.2		NOTE: Enter Earth Occultation 9197		04-010/16:21:49.4
17643	M1O	04-010/16:32:37.5		NOTE: Apoapsis 9197 -		04-010/16:22:39.7
17644	M1O	04-010/16:39:29.8		NOTE: EXIT HGA KEEP OUT ZONE		
17645	M1O	04-010/16:47:29.6		NOTE: Exit Earth Occultation 9197		04-010/16:37:31.7
17646	M1O	04-010/16:47:29.6	63	Acquisition Of X-Band Signal		
17647	M1O	04-010/16:47:29.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17648	M1O	04-010/16:49:21.0		NOTE: Exit Planetary Atmosphere 9197		04-010/16:39:23.1
17649	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
17650	M1O	04-010/16:52:29.7	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17651	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
17652	M1O	04-010/17:01:21.1		NOTE: Descending Node Crossing 9198		04-010/16:51:23.2
17653	M1O	04-010/17:30:39.2		NOTE: South Pole Crossing 9198		04-010/17:20:41.3
17654	M1O	04-010/17:31:25.2		NOTE: Periapsis 9198 ----------		04-010/17:21:27.2
17655	M1O	04-010/17:58:37.7		NOTE: Enter Solar Eclipse 9198		04-010/17:48:39.7
17656	M1O	04-010/17:59:55.2		NOTE: Ascending Node Crossing 9198		04-010/17:49:57.2
17657	M1O	04-010/18:18:31.6		NOTE: Exit Solar Eclipse 9198		04-010/18:08:33.5
17658	M1O	04-010/18:20:59.1		SPAWN, Engine = 65535, Parameters = 3, 00:29:58.003, 1	dpt	04-010/18:11:01.0
17659	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
17660	M1O	04-010/18:21:01.2	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17661	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17662	M1O	04-010/18:22:01.1		NOTE: ENTER HGA KEEP OUT ZONE		
17663	M1O	04-010/18:22:01.1	63	NOTE: Loss Of X-Band Signal		
17664	M1O	04-010/18:28:28.0		NOTE: Enter Planetary Atmosphere 9198		04-010/18:18:29.8
17665	M1O	04-010/18:29:52.3		NOTE: North Pole Crossing 9198		04-010/18:19:54.2
17666	M1O	04-010/18:30:18.4		NOTE: Enter Earth Occultation 9198		04-010/18:20:20.2
17667	M1O	04-010/18:31:04.8		NOTE: Apoapsis 9198 -		04-010/18:21:06.6
17668	M1O	04-010/18:38:01.1		NOTE: EXIT HGA KEEP OUT ZONE		
17669	M1O	04-010/18:45:59.2		NOTE: Exit Earth Occultation 9198		04-010/18:36:01.0
17670	M1O	04-010/18:45:59.2	63	Acquisition Of X-Band Signal		
17671	M1O	04-010/18:45:59.2	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17672	M1O	04-010/18:47:50.7		NOTE: Exit Planetary Atmosphere 9198		04-010/18:37:52.5
17673	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
17674	M1O	04-010/18:50:59.3	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17675	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
17676	M1O	04-010/18:59:51.6		NOTE: Descending Node Crossing 9199		04-010/18:49:53.3
17677	M1O	04-010/19:29:10.4		NOTE: South Pole Crossing 9199		04-010/19:19:12.1
17678	M1O	04-010/19:29:51.5		NOTE: Periapsis 9199 ----------		04-010/19:19:53.2
17679	M1O	04-010/19:30:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17680	M1O	04-010/19:35:00.0	63	Range Modulation On: SUP=3.0dB		
17681	M1O	04-010/19:36:00.0	63	Begin Ranging Acquisition		
17682	M1O	04-010/19:45:34.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
17683	M1O	04-010/19:48:54.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-010/19:38:55.9
17684	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
17685	M1O	04-010/19:48:56.4	63	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17686	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
17687	M1O	04-010/19:49:56.7	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17688	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
17689	M1O	04-010/19:54:56.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17690	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
17691	M1O	04-010/19:55:34.0	63	Range Modulation Off		
17692	M1O	04-010/19:57:11.2		NOTE: Enter Solar Eclipse 9199		04-010/19:47:12.8
17693	M1O	04-010/19:58:27.6		NOTE: Ascending Node Crossing 9199		04-010/19:48:29.1
17694	M1O	04-010/20:00:34.0	63	X-Band Transmitter Off		
17695	M1O	04-010/20:16:58.6		NOTE: Exit Solar Eclipse 9199		04-010/20:07:00.1
17696	M1O	04-010/20:19:28.4		SPAWN, Engine = 65535, Parameters = 3, 00:30:26, 1	dpt	04-010/20:09:29.9
17697	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
17698	M1O	04-010/20:19:30.5	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17699	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
17700	M1O	04-010/20:20:30.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17701	M1O	04-010/20:20:31.5		NOTE: ENTER HGA KEEP OUT ZONE		
17702	M1O	04-010/20:20:31.5	63	NOTE: Loss Of X-Band Signal		
17703	M1O	04-010/20:25:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17704	M1O	04-010/20:27:09.4		NOTE: Enter Planetary Atmosphere 9199		04-010/20:17:10.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17705	M1O	04-010/20:28:25.8		NOTE: North Pole Crossing 9199		04-010/20:18:27.2
17706	M1O	04-010/20:29:01.6		NOTE: Enter Earth Occultation 9199		04-010/20:19:03.0
17707	M1O	04-010/20:29:45.1		NOTE: Apoapsis 9199 -		04-010/20:19:46.6
17708	M1O	04-010/20:30:00.0	63	Range Modulation On: SUP=3.0dB		
17709	M1O	04-010/20:31:00.0	63	Begin Ranging Acquisition		
17710	M1O	04-010/20:36:31.5		NOTE: EXIT HGA KEEP OUT ZONE		
17711	M1O	04-010/20:44:25.0		NOTE: Exit Earth Occultation 9199		04-010/20:34:26.4
17712	M1O	04-010/20:44:25.0	63	Acquisition Of X-Band Signal		
17713	M1O	04-010/20:44:25.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17714	M1O	04-010/20:44:57.0	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17715	M1O	04-010/20:46:18.3		NOTE: Exit Planetary Atmosphere 9199		04-010/20:36:19.7
17716	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
17717	M1O	04-010/20:49:56.6	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17718	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
17719	M1O	04-010/20:58:26.3		NOTE: Descending Node Crossing 9200		04-010/20:48:27.7
17720	M1O	04-010/21:27:45.4		NOTE: South Pole Crossing 9200		04-010/21:17:46.7
17721	M1O	04-010/21:28:33.4		NOTE: Periapsis 9200 ----------		04-010/21:18:34.7
17722	M1O	04-010/21:44:08.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
17723	M1O	04-010/21:54:08.0	63	Range Modulation Off		
17724	M1O	04-010/21:55:00.0	14	Begin Pre-Cal		
17725	M1O	04-010/21:55:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17726	M1O	04-010/21:55:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17727	M1O	04-010/21:55:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17728	M1O	04-010/21:55:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17729	M1O	04-010/21:55:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17730	M1O	04-010/21:55:00.0	14	Config: RCV: Parms:		
17731	M1O	04-010/21:55:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17732	M1O	04-010/21:55:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
17733	M1O	04-010/21:55:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
17734	M1O	04-010/21:55:45.7		NOTE: Enter Solar Eclipse 9200		04-010/21:45:46.9
17735	M1O	04-010/21:57:02.5		NOTE: Ascending Node Crossing 9200		04-010/21:47:03.7
17736	M1O	04-010/21:59:08.0	63	X-Band Transmitter Off		
17737	M1O	04-010/22:15:29.1		NOTE: Exit Solar Eclipse 9200		04-010/22:05:30.2
17738	M1O	04-010/22:18:02.8		SPAWN, Engine = 65535, Parameters = 3, 00:30:23, 1	dpt	04-010/22:08:03.9
17739	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
17740	M1O	04-010/22:18:04.9	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17741	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
17742	M1O	04-010/22:19:05.6	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17743	M1O	04-010/22:19:05.8		NOTE: ENTER HGA KEEP OUT ZONE		
17744	M1O	04-010/22:19:05.8	63	NOTE: Loss Of X-Band Signal		
17745	M1O	04-010/22:23:31.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17746	M1O	04-010/22:25:51.5		NOTE: Enter Planetary Atmosphere 9200		04-010/22:15:52.6
17747	M1O	04-010/22:27:01.8		NOTE: North Pole Crossing 9200		04-010/22:17:02.9
17748	M1O	04-010/22:27:44.9		NOTE: Enter Earth Occultation 9200		04-010/22:17:46.0
17749	M1O	04-010/22:28:17.3		NOTE: Apoapsis 9200 -		04-010/22:18:18.4
17750	M1O	04-010/22:28:31.0	63	Range Modulation On: SUP=3.0dB		
17751	M1O	04-010/22:29:31.0	63	Begin Ranging Acquisition		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17752	M1O	04-010/22:34:45.9		NOTE: EXIT HGA KEEP OUT ZONE		
17753	M1O	04-010/22:40:00.0	24	Begin Pre-Cal		
17754	M1O	04-010/22:40:00.0	24	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
17755	M1O	04-010/22:40:00.0	24	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17756	M1O	04-010/22:40:00.0	24	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17757	M1O	04-010/22:40:00.0	24	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17758	M1O	04-010/22:40:00.0	24	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17759	M1O	04-010/22:40:00.0	24	Config: RCV: Parms:		
17760	M1O	04-010/22:40:00.0	24	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17761	M1O	04-010/22:40:00.0	24	Config: TGC: BAND=X, SR=221200.000000		
17762	M1O	04-010/22:40:00.0	24	Config: TXL		
17763	M1O	04-010/22:40:00.0	24	Config: UWV: AMP=XTWM1, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
17764	M1O	04-010/22:40:00.0	24	Config: CMD		
17765	M1O	04-010/22:40:00.0	24	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
17766	M1O	04-010/22:42:56.0		NOTE: Exit Earth Occultation 9200		04-010/22:32:57.1
17767	M1O	04-010/22:42:56.0	63	Acquisition Of X-Band Signal		
17768	M1O	04-010/22:42:56.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17769	M1O	04-010/22:43:28.7	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17770	M1O	04-010/22:44:50.7		NOTE: Exit Planetary Atmosphere 9200		04-010/22:34:51.7
17771	M1O	04-010/22:46:14.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
17772	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
17773	M1O	04-010/22:48:28.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17774	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
17775	M1O	04-010/22:56:14.0	63	Range Modulation Off		
17776	M1O	04-010/22:57:03.5		NOTE: Descending Node Crossing 9201		04-010/22:47:04.5
17777	M1O	04-010/23:01:14.0	63	X-Band Transmitter Off		
17778	M1O	04-010/23:10:00.0	14	Begin Tracking		
17779	M1O	04-010/23:10:00.0	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		
17780	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
17781	M1O	04-010/23:10:04.1		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-010/23:00:05.1
17782	M1O	04-010/23:10:05.1		Forces a desaturation of the reaction wheels.	RW_DESAT	04-010/23:00:06.1
17783	M1O	04-010/23:13:01.0		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-010/23:03:02.0
17784	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
17785	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
17786	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
17787	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
17788	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
17789	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
17790	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
17791	M1O	04-010/23:13:21.8	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		
17792	M1O	04-010/23:13:21.8	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17793	M1O	04-010/23:15:01.8	63	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
17794	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
17795	M1O	04-010/23:20:22.8	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		
17796	M1O	04-010/23:20:22.8	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17797	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
17798	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
17799	M1O	04-010/23:20:39.8	14	D/L RF Warning: SC antenna change - expect signal level variation		
17800	M1O	04-010/23:20:39.8	63	D/L RF Warning: SC antenna change - expect signal level variation		
17801	M1O	04-010/23:20:40.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-010/23:10:41.8
17802	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		
17803	M1O	04-010/23:21:12.0	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17804	M1O	04-010/23:21:35.1		CALL, Engine = , Parameters = FALSE	park_hga	04-010/23:11:36.1
17805	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
17806	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
17807	M1O	04-010/23:21:37.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-010/23:11:38.1
17808	M1O	04-010/23:21:37.1		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-010/23:11:38.1
17809	M1O	04-010/23:21:37.1		NOTE: START HGA PARK		
17810	M1O	04-010/23:21:37.1	14	NOTE: Loss Of X-Band Signal		
17811	M1O	04-010/23:21:37.1	63	NOTE: Loss Of X-Band Signal		
17812	M1O	04-010/23:21:38.0	63	NOTE: Below Uplink Interlock Limit		
17813	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
17814	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
17815	M1O	04-010/23:25:00.0	24	Begin Tracking		
17816	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
17817	M1O	04-010/23:26:22.4		NOTE: South Pole Crossing 9201		04-010/23:16:23.3
17818	M1O	04-010/23:27:10.6		NOTE: Periapsis 9201 ----------		04-010/23:17:11.5
17819	M1O	04-010/23:29:39.2		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-010/23:19:40.1
17820	M1O	04-010/23:29:39.2		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-010/23:19:40.1
17821	M1O	04-010/23:35:00.0	63	End Tracking		
17822	M1O	04-010/23:50:00.0	63	End Post-Cal		
17823	M1O	04-010/23:54:21.8		NOTE: Enter Solar Eclipse 9201		04-010/23:44:22.6
17824	M1O	04-010/23:55:39.1		NOTE: Ascending Node Crossing 9201		04-010/23:45:39.9
17825	M1O	04-010/23:59:39.1		GV: GV_DESAT_ACTIVE = 1		04-010/23:49:40.0
17826	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
17827	M1O	04-010/23:59:40.1		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-010/23:49:41.0
17828	M1O	04-011/00:00:00.0		Light Time: OWLT = 09:59, RTLT = 19:58		
17829	M1O	04-011/00:09:39.2		GV: GV_DESAT_ACTIVE = 0		04-010/23:59:40.0
17830	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
17831	M1O	04-011/00:09:41.2		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-010/23:59:42.0
17832	M1O	04-011/00:09:42.2		CALL, Engine = , Parameters =	unpark_hga	04-010/23:59:43.0
17833	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
17834	M1O	04-011/00:09:43.2		Move the specified appendage o the specified gimbal angles unless inhibited by	APPNDG_GOTO_POS	04-010/23:59:44.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				softstops.: HGA, -87, -87		
17835	M1O	04-011/00:14:04.4		NOTE: Exit Solar Eclipse 9201		04-011/00:04:05.2
17836	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
17837	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
17838	M1O	04-011/00:18:03.2		NOTE: ENTER HGA KEEP OUT ZONE		
17839	M1O	04-011/00:18:14.2		NOTE: EXIT HGA PARK		
17840	M1O	04-011/00:22:06.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17841	M1O	04-011/00:24:28.4		NOTE: Enter Planetary Atmosphere 9201		04-011/00:14:29.1
17842	M1O	04-011/00:25:38.4		NOTE: North Pole Crossing 9201		04-011/00:15:39.1
17843	M1O	04-011/00:26:21.8		NOTE: Enter Earth Occultation 9201		04-011/00:16:22.5
17844	M1O	04-011/00:26:41.4		NOTE: Apoapsis 9201 -		04-011/00:16:42.1
17845	M1O	04-011/00:27:06.0	24	Range Modulation On: SUP=3.0dB		
17846	M1O	04-011/00:28:06.0	24	Begin Ranging Acquisition		
17847	M1O	04-011/00:33:23.3		NOTE: EXIT HGA KEEP OUT ZONE		
17848	M1O	04-011/00:41:07.8		SPAWN, Engine = 65535, Parameters = 00:05:31.618	cstr	04-011/00:31:08.4
17849	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
17850	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
17851	M1O	04-011/00:41:09.9		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-011/00:31:10.5
17852	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
17853	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
17854	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
17855	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
17856	M1O	04-011/00:41:32.8		NOTE: Exit Earth Occultation 9201		04-011/00:31:33.4
17857	M1O	04-011/00:41:32.8	14	Acquisition Of X-Band Signal		
17858	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		
17859	M1O	04-011/00:41:32.8	24	Acquisition Of X-Band Signal		
17860	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		
17861	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		
17862	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		
17863	M1O	04-011/00:43:27.4		NOTE: Exit Planetary Atmosphere 9201		04-011/00:33:28.1
17864	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
17865	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
17866	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		
17867	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		
17868	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
17869	M1O	04-011/00:55:40.0		NOTE: Descending Node Crossing 9202		04-011/00:45:40.6
17870	M1O	04-011/01:24:59.0		NOTE: South Pole Crossing 9202		04-011/01:14:59.5
17871	M1O	04-011/01:25:42.6		NOTE: Periapsis 9202 ----------		04-011/01:15:43.1
17872	M1O	04-011/01:41:39.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
17873	M1O	04-011/01:51:39.0	24	Range Modulation Off		
17874	M1O	04-011/01:52:58.5		NOTE: Enter Solar Eclipse 9202		04-011/01:42:59.0
17875	M1O	04-011/01:54:15.8		NOTE: Ascending Node Crossing 9202		04-011/01:44:16.2
17876	M1O	04-011/01:56:39.0	24	X-Band Transmitter Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17877	M1O	04-011/02:12:43.0		NOTE: Exit Solar Eclipse 9202		04-011/02:02:43.4
17878	M1O	04-011/02:15:35.7		SPAWN, Engine = 65535, Parameters = 3, 00:30:06, 1	dpt	04-011/02:05:36.1
17879	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
17880	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		
17881	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		
17882	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
17883	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		
17884	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		
17885	M1O	04-011/02:16:39.6		NOTE: ENTER HGA KEEP OUT ZONE		
17886	M1O	04-011/02:16:39.6	14	NOTE: Loss Of X-Band Signal		
17887	M1O	04-011/02:16:39.6	24	NOTE: Loss Of X-Band Signal		
17888	M1O	04-011/02:20:45.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17889	M1O	04-011/02:22:59.0		NOTE: Enter Planetary Atmosphere 9202		04-011/02:12:59.4
17890	M1O	04-011/02:24:14.1		NOTE: North Pole Crossing 9202		04-011/02:14:14.5
17891	M1O	04-011/02:24:51.4		NOTE: Enter Earth Occultation 9202		04-011/02:14:51.8
17892	M1O	04-011/02:25:03.9		NOTE: Apoapsis 9202 -		04-011/02:15:04.2
17893	M1O	04-011/02:25:45.0	24	Range Modulation On: SUP=3.0dB		
17894	M1O	04-011/02:26:45.0	24	Begin Ranging Acquisition		
17895	M1O	04-011/02:31:59.6		NOTE: EXIT HGA KEEP OUT ZONE		
17896	M1O	04-011/02:40:12.4		NOTE: Exit Earth Occultation 9202		04-011/02:30:12.7
17897	M1O	04-011/02:40:12.4	14	Acquisition Of X-Band Signal		
17898	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		
17899	M1O	04-011/02:40:12.4	24	Acquisition Of X-Band Signal		
17900	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		
17901	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		
17902	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		
17903	M1O	04-011/02:42:05.9		NOTE: Exit Planetary Atmosphere 9202		04-011/02:32:06.2
17904	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
17905	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		
17906	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		
17907	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
17908	M1O	04-011/02:54:14.4		NOTE: Descending Node Crossing 9203		04-011/02:44:14.7
17909	M1O	04-011/03:23:33.4		NOTE: South Pole Crossing 9203		04-011/03:13:33.5
17910	M1O	04-011/03:24:18.2		NOTE: Periapsis 9203 ----------		04-011/03:14:18.3
17911	M1O	04-011/03:39:53.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
17912	M1O	04-011/03:49:53.0	24	Range Modulation Off		
17913	M1O	04-011/03:51:32.4		NOTE: Enter Solar Eclipse 9203		04-011/03:41:32.4
17914	M1O	04-011/03:52:50.1		NOTE: Ascending Node Crossing 9203		04-011/03:42:50.1
17915	M1O	04-011/03:54:53.0	24	X-Band Transmitter Off		
17916	M1O	04-011/04:11:20.3		NOTE: Exit Solar Eclipse 9203		04-011/04:01:20.3
17917	M1O	04-011/04:13:50.0		SPAWN, Engine = 65535, Parameters = 3, 00:30:28, 1	dpt	04-011/04:03:50.1
17918	M1O	04-011/04:13:52.1		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-011/04:03:52.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
17919	M1O	04-011/04:13:52.1	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		
17920	M1O	04-011/04:13:52.1	24	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
17921	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
17922	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		
17923	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		
17924	M1O	04-011/04:14:53.9		NOTE: ENTER HGA KEEP OUT ZONE		
17925	M1O	04-011/04:14:53.9	14	NOTE: Loss Of X-Band Signal		
17926	M1O	04-011/04:14:53.9	24	NOTE: Loss Of X-Band Signal		
17927	M1O	04-011/04:19:21.0	24	Acquire U/L: X/08, PWR=20.0, BR=125.0		
17928	M1O	04-011/04:21:26.6		NOTE: Enter Planetary Atmosphere 9203		04-011/04:11:26.6
17929	M1O	04-011/04:22:47.3		NOTE: North Pole Crossing 9203		04-011/04:12:47.3
17930	M1O	04-011/04:23:18.1		NOTE: Enter Earth Occultation 9203		04-011/04:13:18.1
17931	M1O	04-011/04:23:45.7		NOTE: Apoapsis 9203 -		04-011/04:13:45.7
17932	M1O	04-011/04:24:21.0	24	Range Modulation On: SUP=3.0dB		
17933	M1O	04-011/04:25:00.0	24	NOTE: X-Band Transmitter Off in 15 minutes		
17934	M1O	04-011/04:25:21.0	24	Begin Ranging Acquisition		
17935	M1O	04-011/04:30:34.0		NOTE: EXIT HGA KEEP OUT ZONE		
17936	M1O	04-011/04:35:00.0	24	Range Modulation Off		
17937	M1O	04-011/04:38:48.5		NOTE: Exit Earth Occultation 9203		04-011/04:28:48.5
17938	M1O	04-011/04:38:48.5	14	Acquisition Of X-Band Signal		
17939	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		
17940	M1O	04-011/04:38:48.5	24	Acquisition Of X-Band Signal		
17941	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		
17942	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		
17943	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		
17944	M1O	04-011/04:40:00.0	24	X-Band Transmitter Off		
17945	M1O	04-011/04:40:41.2		NOTE: Exit Planetary Atmosphere 9203		04-011/04:30:41.1
17946	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
17947	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		
17948	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		
17949	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
17950	M1O	04-011/04:45:00.0	24	End Tracking		
17951	M1O	04-011/04:45:00.0	43	Begin Pre-Cal		
17952	M1O	04-011/04:45:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
17953	M1O	04-011/04:45:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
17954	M1O	04-011/04:45:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
17955	M1O	04-011/04:45:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
17956	M1O	04-011/04:45:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
17957	M1O	04-011/04:45:00.0	43	Config: RCV: Parms:		
17958	M1O	04-011/04:45:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
17959	M1O	04-011/04:45:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
17960	M1O	04-011/04:45:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
17961	M1O	04-011/04:52:46.6		NOTE: Descending Node Crossing 9204		04-011/04:42:46.5
17962	M1O	04-011/04:58:57.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-011/04:48:57.1
17963	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
17964	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		
17965	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
17966	M1O	04-011/05:00:00.0	24	End Post-Cal		
17967	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		
17968	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
17969	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		
17970	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
17971	M1O	04-011/05:22:04.8		NOTE: South Pole Crossing 9204		04-011/05:12:04.6
17972	M1O	04-011/05:22:49.0		NOTE: Periapsis 9204 ----------		04-011/05:12:48.8
17973	M1O	04-011/05:50:02.8		NOTE: Enter Solar Eclipse 9204		04-011/05:40:02.5
17974	M1O	04-011/05:51:21.0		NOTE: Ascending Node Crossing 9204		04-011/05:41:20.7
17975	M1O	04-011/06:09:51.2		NOTE: Exit Solar Eclipse 9204		04-011/05:59:50.8
17976	M1O	04-011/06:12:24.3		SPAWN, Engine = 65535, Parameters = 3, 00:29:52.811, 1	dpt	04-011/06:02:24.0
17977	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
17978	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		
17979	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
17980	M1O	04-011/06:13:26.3		NOTE: ENTER HGA KEEP OUT ZONE		
17981	M1O	04-011/06:13:26.3	14	NOTE: Loss Of X-Band Signal		
17982	M1O	04-011/06:19:57.4		NOTE: Enter Planetary Atmosphere 9204		04-011/06:09:57.0
17983	M1O	04-011/06:21:18.5		NOTE: North Pole Crossing 9204		04-011/06:11:18.1
17984	M1O	04-011/06:21:48.9		NOTE: Enter Earth Occultation 9204		04-011/06:11:48.5
17985	M1O	04-011/06:22:17.1		NOTE: Apoapsis 9204 -		04-011/06:12:16.7
17986	M1O	04-011/06:29:06.4		NOTE: EXIT HGA KEEP OUT ZONE		
17987	M1O	04-011/06:30:00.0	43	Begin Tracking		
17988	M1O	04-011/06:37:19.2		NOTE: Exit Earth Occultation 9204		04-011/06:27:18.8
17989	M1O	04-011/06:37:19.2	14	Acquisition Of X-Band Signal		
17990	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		
17991	M1O	04-011/06:37:19.2	43	Acquisition Of X-Band Signal		
17992	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		
17993	M1O	04-011/06:39:11.9		NOTE: Exit Planetary Atmosphere 9204		04-011/06:29:11.5
17994	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
17995	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		
17996	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		
17997	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
17998	M1O	04-011/06:51:17.9		NOTE: Descending Node Crossing 9205		04-011/06:41:17.5
17999	M1O	04-011/06:51:52.0	14	NOTE: Below Uplink Interlock Limit		
18000	M1O	04-011/07:00:00.0	14	End Tracking		
18001	M1O	04-011/07:10:00.5		SPAWN, Engine = 65535, Parameters =	scdiag	04-011/07:00:00.0
18002	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18003	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
18004	M1O	04-011/07:11:03.5		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-011/07:01:03.0
18005	M1O	04-011/07:11:03.7		NOTE: Start Block fsw_diag		04-011/07:01:03.2
18006	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
18007	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
18008	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
18009	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
18010	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
18011	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
18012	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
18013	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
18014	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
18015	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
18016	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
18017	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
18018	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
18019	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
18020	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
18021	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
18022	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
18023	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
18024	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
18025	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
18026	M1O	04-011/07:14:14.7		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-011/07:04:14.2
18027	M1O	04-011/07:14:25.7		NOTE: End Block fsw_diag.mod		04-011/07:04:25.2
18028	M1O	04-011/07:15:00.0	14	End Post-Cal		
18029	M1O	04-011/07:20:35.6		NOTE: South Pole Crossing 9205		04-011/07:10:35.0
18030	M1O	04-011/07:21:01.8		NOTE: Periapsis 9205 ----------		04-011/07:11:01.3
18031	M1O	04-011/07:48:35.5		NOTE: Enter Solar Eclipse 9205		04-011/07:38:34.8
18032	M1O	04-011/07:49:52.0		NOTE: Ascending Node Crossing 9205		04-011/07:39:51.4
18033	M1O	04-011/08:08:16.9		NOTE: Exit Solar Eclipse 9205		04-011/07:58:16.2
18034	M1O	04-011/08:10:55.7		SPAWN, Engine = 65535, Parameters = 3, 00:29:47.904, 1	dpt	04-011/08:00:55.0
18035	M1O	04-011/08:10:57.8		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-011/08:00:57.1
18036	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		
18037	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
18038	M1O	04-011/08:11:57.7		NOTE: ENTER HGA KEEP OUT ZONE		
18039	M1O	04-011/08:11:57.7	43	NOTE: Loss Of X-Band Signal		
18040	M1O	04-011/08:18:36.7		NOTE: Enter Planetary Atmosphere 9205		04-011/08:08:35.9
18041	M1O	04-011/08:19:50.8		NOTE: North Pole Crossing 9205		04-011/08:09:50.0
18042	M1O	04-011/08:20:29.6		NOTE: Enter Earth Occultation 9205		04-011/08:10:28.9
18043	M1O	04-011/08:20:30.8		NOTE: Apoapsis 9205 -		04-011/08:10:30.0
18044	M1O	04-011/08:27:37.7		NOTE: EXIT HGA KEEP OUT ZONE		
18045	M1O	04-011/08:35:45.7		NOTE: Exit Earth Occultation 9205		04-011/08:25:44.9
18046	M1O	04-011/08:35:45.7	43	Acquisition Of X-Band Signal		
18047	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,		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				ANT=HGA		
18048	M1O	04-011/08:37:39.9		NOTE: Exit Planetary Atmosphere 9205		04-011/08:27:39.1
18049	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
18050	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		
18051	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
18052	M1O	04-011/08:49:51.1		NOTE: Descending Node Crossing 9206		04-011/08:39:50.2
18053	M1O	04-011/09:19:09.9		NOTE: South Pole Crossing 9206		04-011/09:09:09.0
18054	M1O	04-011/09:19:32.8		NOTE: Periapsis 9206 ----------		04-011/09:09:31.8
18055	M1O	04-011/09:47:12.7		NOTE: Enter Solar Eclipse 9206		04-011/09:37:11.6
18056	M1O	04-011/09:48:27.6		NOTE: Ascending Node Crossing 9206		04-011/09:38:26.5
18057	M1O	04-011/10:06:48.5		NOTE: Exit Solar Eclipse 9206		04-011/09:56:47.4
18058	M1O	04-011/10:09:29.1		SPAWN, Engine = 65535, Parameters = 3, 00:29:45.240, 1	dpt	04-011/09:59:28.0
18059	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
18060	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		
18061	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
18062	M1O	04-011/10:10:31.1		NOTE: ENTER HGA KEEP OUT ZONE		
18063	M1O	04-011/10:10:31.1	43	NOTE: Loss Of X-Band Signal		
18064	M1O	04-011/10:17:16.4		NOTE: Enter Planetary Atmosphere 9206		04-011/10:07:15.3
18065	M1O	04-011/10:18:26.3		NOTE: North Pole Crossing 9206		04-011/10:08:25.2
18066	M1O	04-011/10:19:10.4		NOTE: Enter Earth Occultation 9206		04-011/10:09:09.2
18067	M1O	04-011/10:19:11.8		NOTE: Apoapsis 9206 -		04-011/10:09:10.7
18068	M1O	04-011/10:26:11.1		NOTE: EXIT HGA KEEP OUT ZONE		
18069	M1O	04-011/10:34:16.4		NOTE: Exit Earth Occultation 9206		04-011/10:24:15.2
18070	M1O	04-011/10:34:16.4	43	Acquisition Of X-Band Signal		
18071	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		
18072	M1O	04-011/10:36:11.6		NOTE: Exit Planetary Atmosphere 9206		04-011/10:26:10.4
18073	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
18074	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		
18075	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
18076	M1O	04-011/10:48:26.7		NOTE: Descending Node Crossing 9207		04-011/10:38:25.5
18077	M1O	04-011/10:55:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18078	M1O	04-011/11:00:00.0	43	Range Modulation On: SUP=3.0dB		
18079	M1O	04-011/11:01:00.0	43	Begin Ranging Acquisition		
18080	M1O	04-011/11:13:59.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-011/11:03:58.2
18081	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
18082	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		
18083	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
18084	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, ANT=HGA		
18085	M1O	04-011/11:17:46.7		NOTE: South Pole Crossing 9207		04-011/11:07:45.4
18086	M1O	04-011/11:18:31.7		NOTE: Periapsis 9207 ----------		04-011/11:08:30.4
18087	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
18088	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		
18089	M1O	04-011/11:20:02.6		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-011/11:10:01.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_map.cfg		
18090	M1O	04-011/11:34:23.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
18091	M1O	04-011/11:44:23.0	43	Range Modulation Off		
18092	M1O	04-011/11:45:49.0		NOTE: Enter Solar Eclipse 9207		04-011/11:35:47.6
18093	M1O	04-011/11:47:04.8		NOTE: Ascending Node Crossing 9207		04-011/11:37:03.4
18094	M1O	04-011/11:49:23.0	43	X-Band Transmitter Off		
18095	M1O	04-011/12:01:13.4		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-011/11:51:12.0
18096	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
18097	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
18098	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
18099	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
18100	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
18101	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
18102	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
18103	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		
18104	M1O	04-011/12:05:25.0		NOTE: Exit Solar Eclipse 9207		04-011/11:55:23.5
18105	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
18106	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		
18107	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
18108	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
18109	M1O	04-011/12:08:52.2	43	D/L RF Warning: SC antenna change - expect signal level variation		
18110	M1O	04-011/12:08:53.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-011/11:58:51.8
18111	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		
18112	M1O	04-011/12:09:26.4		NOTE: ENTER HGA KEEP OUT ZONE		
18113	M1O	04-011/12:09:26.4	43	NOTE: Loss Of X-Band Signal		
18114	M1O	04-011/12:15:53.6		NOTE: Enter Planetary Atmosphere 9207		04-011/12:05:52.1
18115	M1O	04-011/12:17:02.9		NOTE: North Pole Crossing 9207		04-011/12:07:01.4
18116	M1O	04-011/12:17:48.0		NOTE: Enter Earth Occultation 9207		04-011/12:07:46.5
18117	M1O	04-011/12:18:18.1		NOTE: Apoapsis 9207 -		04-011/12:08:16.6
18118	M1O	04-011/12:24:46.5		NOTE: EXIT HGA KEEP OUT ZONE		
18119	M1O	04-011/12:30:36.0	43	NOTE: Below Uplink Interlock Limit		
18120	M1O	04-011/12:32:50.4		NOTE: Exit Earth Occultation 9207		04-011/12:22:48.9
18121	M1O	04-011/12:32:50.4	43	Acquisition Of X-Band Signal		
18122	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		
18123	M1O	04-011/12:34:45.9		NOTE: Exit Planetary Atmosphere 9207		04-011/12:24:44.4
18124	M1O	04-011/12:40:00.0	43	End Tracking		
18125	M1O	04-011/12:47:03.5		NOTE: Descending Node Crossing 9208		04-011/12:37:01.9
18126	M1O	04-011/12:55:00.0	43	End Post-Cal		
18127	M1O	04-011/13:16:23.6		NOTE: South Pole Crossing 9208		04-011/13:06:21.9
18128	M1O	04-011/13:17:29.6		NOTE: Periapsis 9208 ----------		04-011/13:07:27.9
18129	M1O	04-011/13:40:00.0	63	Begin Pre-Cal		
18130	M1O	04-011/13:40:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
18131	M1O	04-011/13:40:00.0	63	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
18132	M1O	04-011/13:40:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18133	M1O	04-011/13:40:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18134	M1O	04-011/13:40:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
18135	M1O	04-011/13:40:00.0	63	Config: RCV: Parms:		
18136	M1O	04-011/13:40:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18137	M1O	04-011/13:40:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
18138	M1O	04-011/13:40:00.0	63	Config: TXL		
18139	M1O	04-011/13:40:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
18140	M1O	04-011/13:40:00.0	63	Config: CMD		
18141	M1O	04-011/13:40:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
18142	M1O	04-011/13:44:23.1		NOTE: Enter Solar Eclipse 9208		04-011/13:34:21.3
18143	M1O	04-011/13:45:41.0		NOTE: Ascending Node Crossing 9208		04-011/13:35:39.2
18144	M1O	04-011/14:04:02.1		NOTE: Exit Solar Eclipse 9208		04-011/13:54:00.3
18145	M1O	04-011/14:08:03.8		NOTE: ENTER HGA KEEP OUT ZONE		
18146	M1O	04-011/14:14:28.1		NOTE: Enter Planetary Atmosphere 9208		04-011/14:04:26.3
18147	M1O	04-011/14:15:39.1		NOTE: North Pole Crossing 9208		04-011/14:05:37.2
18148	M1O	04-011/14:16:22.4		NOTE: Enter Earth Occultation 9208		04-011/14:06:20.5
18149	M1O	04-011/14:17:10.2		NOTE: Apoapsis 9208 -		04-011/14:07:08.4
18150	M1O	04-011/14:23:03.9		NOTE: EXIT HGA KEEP OUT ZONE		
18151	M1O	04-011/14:31:26.7		NOTE: Exit Earth Occultation 9208		04-011/14:21:24.8
18152	M1O	04-011/14:33:22.1		NOTE: Exit Planetary Atmosphere 9208		04-011/14:23:20.2
18153	M1O	04-011/14:39:35.4		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-011/14:29:33.5
18154	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
18155	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
18156	M1O	04-011/14:39:37.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-011/14:29:35.6
18157	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
18158	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
18159	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
18160	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
18161	M1O	04-011/14:40:00.0	63	Begin Tracking		
18162	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		
18163	M1O	04-011/14:41:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18164	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
18165	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
18166	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		
18167	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
18168	M1O	04-011/14:45:39.8		NOTE: Descending Node Crossing 9209		04-011/14:35:37.9
18169	M1O	04-011/14:46:00.0	63	Range Modulation On: SUP=3.0dB		
18170	M1O	04-011/14:47:00.0	63	Begin Ranging Acquisition		
18171	M1O	04-011/15:00:01.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-011/14:49:59.3
18172	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
18173	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		
18174	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
18175	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		
18176	M1O	04-011/15:06:03.4		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-011/14:56:01.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
18177	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		
18178	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
18179	M1O	04-011/15:14:58.9		NOTE: South Pole Crossing 9209		04-011/15:04:56.8
18180	M1O	04-011/15:16:07.3		NOTE: Periapsis 9209 ----------		04-011/15:06:05.3
18181	M1O	04-011/15:31:35.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
18182	M1O	04-011/15:41:35.0	63	Range Modulation Off		
18183	M1O	04-011/15:42:54.9		NOTE: Enter Solar Eclipse 9209		04-011/15:32:52.7
18184	M1O	04-011/15:44:15.0		NOTE: Ascending Node Crossing 9209		04-011/15:34:12.8
18185	M1O	04-011/15:46:35.0	63	X-Band Transmitter Off		
18186	M1O	04-011/16:02:38.1		NOTE: Exit Solar Eclipse 9209		04-011/15:52:35.9
18187	M1O	04-011/16:05:36.5		SPAWN, Engine = 65535, Parameters = 3, 00:29:57, 1	dpt	04-011/15:55:34.3
18188	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
18189	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		
18190	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
18191	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		
18192	M1O	04-011/16:06:40.2		NOTE: ENTER HGA KEEP OUT ZONE		
18193	M1O	04-011/16:06:40.2	63	NOTE: Loss Of X-Band Signal		
18194	M1O	04-011/16:10:32.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18195	M1O	04-011/16:12:58.2		NOTE: Enter Planetary Atmosphere 9209		04-011/16:02:56.0
18196	M1O	04-011/16:14:12.9		NOTE: North Pole Crossing 9209		04-011/16:04:10.7
18197	M1O	04-011/16:14:51.7		NOTE: Enter Earth Occultation 9209		04-011/16:04:49.5
18198	M1O	04-011/16:15:32.0	63	Range Modulation On: SUP=3.0dB		
18199	M1O	04-011/16:15:33.6		NOTE: Apoapsis 9209 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18221	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		
18222	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
18223	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		
18224	M1O	04-011/18:05:13.5		NOTE: ENTER HGA KEEP OUT ZONE		
18225	M1O	04-011/18:05:13.5	63	NOTE: Loss Of X-Band Signal		
18226	M1O	04-011/18:09:03.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18227	M1O	04-011/18:11:25.8		NOTE: Enter Planetary Atmosphere 9210		04-011/18:01:23.2
18228	M1O	04-011/18:12:44.2		NOTE: North Pole Crossing 9210		04-011/18:02:41.6
18229	M1O	04-011/18:13:18.7		NOTE: Enter Earth Occultation 9210		04-011/18:03:16.0
18230	M1O	04-011/18:13:47.4		NOTE: Apoapsis 9210 -		04-011/18:03:44.8
18231	M1O	04-011/18:14:03.0	63	Range Modulation On: SUP=3.0dB		
18232	M1O	04-011/18:15:03.0	63	Begin Ranging Acquisition		
18233	M1O	04-011/18:20:33.6		NOTE: EXIT HGA KEEP OUT ZONE		
18234	M1O	04-011/18:28:37.1		NOTE: Exit Earth Occultation 9210		04-011/18:18:34.4
18235	M1O	04-011/18:28:37.1	63	Acquisition Of X-Band Signal		
18236	M1O	04-011/18:28:37.1	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18237	M1O	04-011/18:29:08.2	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18238	M1O	04-011/18:30:31.1		NOTE: Exit Planetary Atmosphere 9210		04-011/18:20:28.4
18239	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
18240	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		
18241	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
18242	M1O	04-011/18:42:43.5		NOTE: Descending Node Crossing 9211		04-011/18:32:40.8
18243	M1O	04-011/18:45:00.0	14	Begin Pre-Cal		
18244	M1O	04-011/18:45:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
18245	M1O	04-011/18:45:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18246	M1O	04-011/18:45:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18247	M1O	04-011/18:45:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18248	M1O	04-011/18:45:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
18249	M1O	04-011/18:45:00.0	14	Config: RCV: Parms:		
18250	M1O	04-011/18:45:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18251	M1O	04-011/18:45:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
18252	M1O	04-011/18:45:00.0	14	Config: TXL		
18253	M1O	04-011/18:45:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
18254	M1O	04-011/18:45:00.0	14	Config: CMD		
18255	M1O	04-011/18:45:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
18256	M1O	04-011/19:12:01.8		NOTE: South Pole Crossing 9211		04-011/19:01:59.0
18257	M1O	04-011/19:12:37.8		NOTE: Periapsis 9211 ----------		04-011/19:02:35.0
18258	M1O	04-011/19:28:17.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
18259	M1O	04-011/19:38:17.0	63	Range Modulation Off		
18260	M1O	04-011/19:39:59.7		NOTE: Enter Solar Eclipse 9211		04-011/19:29:56.8
18261	M1O	04-011/19:41:18.4		NOTE: Ascending Node Crossing 9211		04-011/19:31:15.5
18262	M1O	04-011/19:43:17.0	63	X-Band Transmitter Off		
18263	M1O	04-011/19:45:00.0	14	Begin Tracking		
18264	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		
18265	M1O	04-011/19:54:00.0	14	NOTE: Above Uplink Interlock Limit		
18266	M1O	04-011/19:59:39.9		NOTE: Exit Solar Eclipse 9211		04-011/19:49:37.0
18267	M1O	04-011/20:02:20.4		SPAWN, Engine = 65535, Parameters = 3, 00:30:13, 1	dpt	04-011/19:52:17.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18268	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
18269	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		
18270	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		
18271	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
18272	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		
18273	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		
18274	M1O	04-011/20:03:23.9		NOTE: ENTER HGA KEEP OUT ZONE		
18275	M1O	04-011/20:03:23.9	14	NOTE: Loss Of X-Band Signal		
18276	M1O	04-011/20:03:23.9	63	NOTE: Loss Of X-Band Signal		
18277	M1O	04-011/20:07:30.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18278	M1O	04-011/20:10:01.6		NOTE: Enter Planetary Atmosphere 9211		04-011/19:59:58.6
18279	M1O	04-011/20:11:16.0		NOTE: North Pole Crossing 9211		04-011/20:01:13.0
18280	M1O	04-011/20:11:55.5		NOTE: Enter Earth Occultation 9211		04-011/20:01:52.5
18281	M1O	04-011/20:12:21.5		NOTE: Apoapsis 9211 -		04-011/20:02:18.5
18282	M1O	04-011/20:12:30.0	14	Range Modulation On: SUP=3.0dB		
18283	M1O	04-011/20:13:30.0	14	Begin Ranging Acquisition		
18284	M1O	04-011/20:19:04.0		NOTE: EXIT HGA KEEP OUT ZONE		
18285	M1O	04-011/20:27:04.0		NOTE: Exit Earth Occultation 9211		04-011/20:17:01.0
18286	M1O	04-011/20:27:04.0	14	Acquisition Of X-Band Signal		
18287	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		
18288	M1O	04-011/20:27:04.0	63	Acquisition Of X-Band Signal		
18289	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		
18290	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		
18291	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		
18292	M1O	04-011/20:28:59.1		NOTE: Exit Planetary Atmosphere 9211		04-011/20:18:56.1
18293	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
18294	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		
18295	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		
18296	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
18297	M1O	04-011/20:41:15.4		NOTE: Descending Node Crossing 9212		04-011/20:31:12.3
18298	M1O	04-011/21:10:34.4		NOTE: South Pole Crossing 9212		04-011/21:00:31.2
18299	M1O	04-011/21:11:10.9		NOTE: Periapsis 9212 ----------		04-011/21:01:07.7
18300	M1O	04-011/21:27:08.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
18301	M1O	04-011/21:37:08.0	14	Range Modulation Off		
18302	M1O	04-011/21:38:34.0		NOTE: Enter Solar Eclipse 9212		04-011/21:28:30.8
18303	M1O	04-011/21:39:52.0		NOTE: Ascending Node Crossing 9212		04-011/21:29:48.7
18304	M1O	04-011/21:42:08.0	14	X-Band Transmitter Off		
18305	M1O	04-011/21:58:08.1		NOTE: Exit Solar Eclipse 9212		04-011/21:48:04.8
18306	M1O	04-011/22:01:11.8		SPAWN, Engine = 65535, Parameters = 3, 00:29:49, 1	dpt	04-011/21:51:08.4
18307	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
18308	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18309	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		
18310	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
18311	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		
18312	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		
18313	M1O	04-011/22:02:15.3		NOTE: ENTER HGA KEEP OUT ZONE		
18314	M1O	04-011/22:02:15.3	14	NOTE: Loss Of X-Band Signal		
18315	M1O	04-011/22:02:15.3	63	NOTE: Loss Of X-Band Signal		
18316	M1O	04-011/22:05:57.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18317	M1O	04-011/22:08:44.5		NOTE: Enter Planetary Atmosphere 9212		04-011/21:58:41.1
18318	M1O	04-011/22:09:50.9		NOTE: North Pole Crossing 9212		04-011/21:59:47.5
18319	M1O	04-011/22:10:40.2		NOTE: Enter Earth Occultation 9212		04-011/22:00:36.8
18320	M1O	04-011/22:10:57.0	14	Range Modulation On: SUP=3.0dB		
18321	M1O	04-011/22:10:58.0		NOTE: Apoapsis 9212 -		04-011/22:00:54.6
18322	M1O	04-011/22:11:57.0	14	Begin Ranging Acquisition		
18323	M1O	04-011/22:17:15.3		NOTE: EXIT HGA KEEP OUT ZONE		
18324	M1O	04-011/22:25:31.8		NOTE: Exit Earth Occultation 9212		04-011/22:15:28.4
18325	M1O	04-011/22:25:31.8	14	Acquisition Of X-Band Signal		
18326	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		
18327	M1O	04-011/22:25:31.8	63	Acquisition Of X-Band Signal		
18328	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		
18329	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		
18330	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		
18331	M1O	04-011/22:27:28.7		NOTE: Exit Planetary Atmosphere 9212		04-011/22:17:25.3
18332	M1O	04-011/22:28:58.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
18333	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
18334	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		
18335	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		
18336	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
18337	M1O	04-011/22:38:58.0	14	Range Modulation Off		
18338	M1O	04-011/22:39:51.7		NOTE: Descending Node Crossing 9213		04-011/22:29:48.3
18339	M1O	04-011/22:43:58.0	14	X-Band Transmitter Off		
18340	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
18341	M1O	04-011/22:52:52.5		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-011/22:42:49.1
18342	M1O	04-011/22:52:53.5		Forces a desaturation of the reaction wheels.	RW_DESAT	04-011/22:42:50.1
18343	M1O	04-011/22:55:53.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-011/22:45:50.0
18344	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
18345	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
18346	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
18347	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18348	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
18349	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
18350	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
18351	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		
18352	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		
18353	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
18354	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		
18355	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		
18356	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
18357	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
18358	M1O	04-011/23:03:32.3	14	D/L RF Warning: SC antenna change - expect signal level variation		
18359	M1O	04-011/23:03:32.3	63	D/L RF Warning: SC antenna change - expect signal level variation		
18360	M1O	04-011/23:03:33.3		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-011/22:53:29.8
18361	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		
18362	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		
18363	M1O	04-011/23:04:23.6		CALL, Engine = , Parameters = FALSE	park_hga	04-011/22:54:20.1
18364	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
18365	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
18366	M1O	04-011/23:04:25.6		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-011/22:54:22.1
18367	M1O	04-011/23:04:25.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-011/22:54:22.1
18368	M1O	04-011/23:04:25.6		NOTE: START HGA PARK		
18369	M1O	04-011/23:04:25.6	14	NOTE: Loss Of X-Band Signal		
18370	M1O	04-011/23:04:25.6	63	NOTE: Loss Of X-Band Signal		
18371	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
18372	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
18373	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
18374	M1O	04-011/23:09:10.7		NOTE: South Pole Crossing 9213		04-011/22:59:07.1
18375	M1O	04-011/23:09:51.9		NOTE: Periapsis 9213 ----------		04-011/22:59:48.4
18376	M1O	04-011/23:12:27.6		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-011/23:02:24.1
18377	M1O	04-011/23:12:27.6		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-011/23:02:24.1
18378	M1O	04-011/23:20:50.0	63	NOTE: Below Uplink Interlock Limit		
18379	M1O	04-011/23:30:00.0	63	End Tracking		
18380	M1O	04-011/23:37:09.3		NOTE: Enter Solar Eclipse 9213		04-011/23:27:05.6
18381	M1O	04-011/23:38:27.9		NOTE: Ascending Node Crossing 9213		04-011/23:28:24.2
18382	M1O	04-011/23:42:27.6		GV: GV_DESAT_ACTIVE = 1		04-011/23:32:24.0
18383	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
18384	M1O	04-011/23:42:28.6		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-011/23:32:25.0
18385	M1O	04-011/23:45:00.0	63	End Post-Cal		
18386	M1O	04-011/23:52:27.6		GV: GV_DESAT_ACTIVE = 0		04-011/23:42:24.0
18387	M1O	04-011/23:52:28.6		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-011/23:42:25.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_desat_stop.cfg		
18388	M1O	04-011/23:52:29.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-011/23:42:26.0
18389	M1O	04-011/23:52:30.6		CALL, Engine = , Parameters =	unpark_hga	04-011/23:42:27.0
18390	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
18391	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
18392	M1O	04-011/23:56:41.1		NOTE: Exit Solar Eclipse 9213		04-011/23:46:37.4
18393	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
18394	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
18395	M1O	04-012/00:00:00.0		Light Time: OWLT = 10:03, RTLT = 20:07		
18396	M1O	04-012/00:00:51.7		NOTE: ENTER HGA KEEP OUT ZONE		
18397	M1O	04-012/00:01:02.7		NOTE: EXIT HGA PARK		
18398	M1O	04-012/00:04:31.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18399	M1O	04-012/00:07:24.3		NOTE: Enter Planetary Atmosphere 9213		04-011/23:57:20.5
18400	M1O	04-012/00:08:27.3		NOTE: North Pole Crossing 9213		04-011/23:58:23.6
18401	M1O	04-012/00:09:20.7		NOTE: Enter Earth Occultation 9213		04-011/23:59:17.0
18402	M1O	04-012/00:09:27.2		NOTE: Apoapsis 9213 -		04-011/23:59:23.5
18403	M1O	04-012/00:09:31.0	14	Range Modulation On: SUP=3.0dB		
18404	M1O	04-012/00:10:31.0	14	Begin Ranging Acquisition		
18405	M1O	04-012/00:15:51.7		NOTE: EXIT HGA KEEP OUT ZONE		
18406	M1O	04-012/00:23:40.7		SPAWN, Engine = 65535, Parameters = 00:05:32.686	cstr	04-012/00:13:36.9
18407	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
18408	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
18409	M1O	04-012/00:23:42.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-012/00:13:39.0
18410	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
18411	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
18412	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
18413	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
18414	M1O	04-012/00:24:05.7		NOTE: Exit Earth Occultation 9213		04-012/00:14:01.9
18415	M1O	04-012/00:24:05.7	14	Acquisition Of X-Band Signal		
18416	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		
18417	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		
18418	M1O	04-012/00:26:03.3		NOTE: Exit Planetary Atmosphere 9213		04-012/00:15:59.5
18419	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
18420	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
18421	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		
18422	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
18423	M1O	04-012/00:38:28.7		NOTE: Descending Node Crossing 9214		04-012/00:28:24.9
18424	M1O	04-012/01:07:47.6		NOTE: South Pole Crossing 9214		04-012/00:57:43.7
18425	M1O	04-012/01:08:24.8		NOTE: Periapsis 9214 ----------		04-012/00:58:20.9
18426	M1O	04-012/01:24:20.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
18427	M1O	04-012/01:34:20.0	14	Range Modulation Off		
18428	M1O	04-012/01:35:45.9		NOTE: Enter Solar Eclipse 9214		04-012/01:25:41.9
18429	M1O	04-012/01:37:04.6		NOTE: Ascending Node Crossing 9214		04-012/01:27:00.6
18430	M1O	04-012/01:39:20.0	14	X-Band Transmitter Off		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18431	M1O	04-012/01:45:00.0	43	Begin Pre-Cal		
18432	M1O	04-012/01:45:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
18433	M1O	04-012/01:45:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18434	M1O	04-012/01:45:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18435	M1O	04-012/01:45:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18436	M1O	04-012/01:45:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
18437	M1O	04-012/01:45:00.0	43	Config: RCV: Parms:		
18438	M1O	04-012/01:45:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18439	M1O	04-012/01:45:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
18440	M1O	04-012/01:45:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
18441	M1O	04-012/01:55:18.1		NOTE: Exit Solar Eclipse 9214		04-012/01:45:14.0
18442	M1O	04-012/01:58:25.7		SPAWN, Engine = 65535, Parameters = 3, 00:29:48, 1	dpt	04-012/01:48:21.6
18443	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
18444	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		
18445	M1O	04-012/01:58:28.8		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_nom.cfg	CHAN_APID_CONFIG	04-012/01:48:24.7
18446	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		
18447	M1O	04-012/01:59:29.0		NOTE: ENTER HGA KEEP OUT ZONE		
18448	M1O	04-012/01:59:29.0	14	NOTE: Loss Of X-Band Signal		
18449	M1O	04-012/02:03:08.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18450	M1O	04-012/02:05:58.0		NOTE: Enter Planetary Atmosphere 9214		04-012/01:55:53.9
18451	M1O	04-012/02:07:03.6		NOTE: North Pole Crossing 9214		04-012/01:56:59.4
18452	M1O	04-012/02:07:47.7		NOTE: Apoapsis 9214 -		04-012/01:57:43.6
18453	M1O	04-012/02:07:53.8		NOTE: Enter Earth Occultation 9214		04-012/01:57:49.7
18454	M1O	04-012/02:08:08.0	14	Range Modulation On: SUP=3.0dB		
18455	M1O	04-012/02:09:08.0	14	Begin Ranging Acquisition		
18456	M1O	04-012/02:14:29.1		NOTE: EXIT HGA KEEP OUT ZONE		
18457	M1O	04-012/02:22:44.1		NOTE: Exit Earth Occultation 9214		04-012/02:12:40.0
18458	M1O	04-012/02:22:44.1	14	Acquisition Of X-Band Signal		
18459	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		
18460	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		
18461	M1O	04-012/02:24:41.2		NOTE: Exit Planetary Atmosphere 9214		04-012/02:14:37.0
18462	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
18463	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		
18464	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
18465	M1O	04-012/02:37:04.2		NOTE: Descending Node Crossing 9215		04-012/02:27:00.0
18466	M1O	04-012/03:00:00.0	43	Begin Tracking		
18467	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		
18468	M1O	04-012/03:06:23.1		NOTE: South Pole Crossing 9215		04-012/02:56:18.9
18469	M1O	04-012/03:06:59.5		NOTE: Periapsis 9215 ----------		04-012/02:56:55.2
18470	M1O	04-012/03:22:55.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
18471	M1O	04-012/03:32:55.0	14	Range Modulation Off		
18472	M1O	04-012/03:34:21.3		NOTE: Enter Solar Eclipse 9215		04-012/03:24:16.9
18473	M1O	04-012/03:35:40.2		NOTE: Ascending Node Crossing 9215		04-012/03:25:35.8
18474	M1O	04-012/03:37:55.0	14	X-Band Transmitter Off		
18475	M1O	04-012/03:53:56.6		NOTE: Exit Solar Eclipse 9215		04-012/03:43:52.1
18476	M1O	04-012/03:57:01.0		SPAWN, Engine = 65535, Parameters = 3, 00:29:51, 1	dpt	04-012/03:46:56.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18477	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
18478	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		
18479	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		
18480	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
18481	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		
18482	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		
18483	M1O	04-012/03:58:04.4		NOTE: ENTER HGA KEEP OUT ZONE		
18484	M1O	04-012/03:58:04.4	14	NOTE: Loss Of X-Band Signal		
18485	M1O	04-012/03:58:04.4	43	NOTE: Loss Of X-Band Signal		
18486	M1O	04-012/04:01:46.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18487	M1O	04-012/04:04:26.2		NOTE: Enter Planetary Atmosphere 9215		04-012/03:54:21.7
18488	M1O	04-012/04:05:38.0		NOTE: North Pole Crossing 9215		04-012/03:55:33.5
18489	M1O	04-012/04:06:18.6		NOTE: Apoapsis 9215 -		04-012/03:56:14.1
18490	M1O	04-012/04:06:20.8		NOTE: Enter Earth Occultation 9215		04-012/03:56:16.3
18491	M1O	04-012/04:06:46.0	14	Range Modulation On: SUP=3.0dB		
18492	M1O	04-012/04:07:46.0	14	Begin Ranging Acquisition		
18493	M1O	04-012/04:10:00.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
18494	M1O	04-012/04:13:04.5		NOTE: EXIT HGA KEEP OUT ZONE		
18495	M1O	04-012/04:20:00.0	14	Range Modulation Off		
18496	M1O	04-012/04:21:22.8		NOTE: Exit Earth Occultation 9215		04-012/04:11:18.3
18497	M1O	04-012/04:21:22.8	14	Acquisition Of X-Band Signal		
18498	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		
18499	M1O	04-012/04:21:22.8	43	Acquisition Of X-Band Signal		
18500	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		
18501	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		
18502	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		
18503	M1O	04-012/04:23:18.6		NOTE: Exit Planetary Atmosphere 9215		04-012/04:13:14.1
18504	M1O	04-012/04:25:00.0	14	X-Band Transmitter Off		
18505	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
18506	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		
18507	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		
18508	M1O	04-012/04:26:55.2		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_map.cfg	CHAN_APID_CONFIG	04-012/04:16:50.7
18509	M1O	04-012/04:30:00.0	14	End Tracking		
18510	M1O	04-012/04:35:37.3		NOTE: Descending Node Crossing 9216		04-012/04:25:32.7
18511	M1O	04-012/04:44:06.2		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-012/04:34:01.6
18512	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
18513	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		
18514	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
18515	M1O	04-012/04:45:00.0	14	End Post-Cal		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18516	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		
18517	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
18518	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		
18519	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
18520	M1O	04-012/05:04:55.9		NOTE: South Pole Crossing 9216		04-012/04:54:51.2
18521	M1O	04-012/05:05:33.8		NOTE: Periapsis 9216 ----------		04-012/04:55:29.1
18522	M1O	04-012/05:32:53.1		NOTE: Enter Solar Eclipse 9216		04-012/05:22:48.3
18523	M1O	04-012/05:34:12.7		NOTE: Ascending Node Crossing 9216		04-012/05:24:07.9
18524	M1O	04-012/05:52:31.1		NOTE: Exit Solar Eclipse 9216		04-012/05:42:26.3
18525	M1O	04-012/05:55:34.8		SPAWN, Engine = 65535, Parameters = 3, 00:29:19.384, 1	dpt	04-012/05:45:30.0
18526	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
18527	M1O	04-012/05:55:36.9	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18528	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
18529	M1O	04-012/05:56:36.8		NOTE: ENTER HGA KEEP OUT ZONE		
18530	M1O	04-012/05:56:36.8	43	NOTE: Loss Of X-Band Signal		
18531	M1O	04-012/06:02:54.4		NOTE: Enter Planetary Atmosphere 9216		04-012/05:52:49.5
18532	M1O	04-012/06:04:09.9		NOTE: North Pole Crossing 9216		04-012/05:54:05.0
18533	M1O	04-012/06:04:48.4		NOTE: Enter Earth Occultation 9216		04-012/05:54:43.5
18534	M1O	04-012/06:05:01.9		NOTE: Apoapsis 9216 -		04-012/05:54:57.0
18535	M1O	04-012/06:11:36.8		NOTE: EXIT HGA KEEP OUT ZONE		
18536	M1O	04-012/06:19:56.2		NOTE: Exit Earth Occultation 9216		04-012/06:09:51.3
18537	M1O	04-012/06:19:56.2	43	Acquisition Of X-Band Signal		
18538	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		
18539	M1O	04-012/06:21:51.5		NOTE: Exit Planetary Atmosphere 9216		04-012/06:11:46.6
18540	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
18541	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		
18542	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
18543	M1O	04-012/06:34:08.7		NOTE: Descending Node Crossing 9217		04-012/06:24:03.8
18544	M1O	04-012/07:03:26.4		NOTE: South Pole Crossing 9217		04-012/06:53:21.4
18545	M1O	04-012/07:03:55.6		NOTE: Periapsis 9217 ----------		04-012/06:53:50.6
18546	M1O	04-012/07:10:05.0		SPAWN, Engine = 65535, Parameters =	scdiag	04-012/07:00:00.0
18547	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
18548	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
18549	M1O	04-012/07:11:08.0		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-012/07:01:03.0
18550	M1O	04-012/07:11:08.2		NOTE: Start Block fsw_diag		04-012/07:01:03.2
18551	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
18552	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
18553	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
18554	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
18555	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
18556	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
18557	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
18558	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
18559	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
18560	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
18561	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
18562	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
18563	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
18564	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
18565	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
18566	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
18567	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
18568	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
18569	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
18570	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
18571	M1O	04-012/07:14:19.2		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-012/07:04:14.2
18572	M1O	04-012/07:14:30.2		NOTE: End Block fsw_diag.mod		04-012/07:04:25.2
18573	M1O	04-012/07:31:23.6		NOTE: Enter Solar Eclipse 9217		04-012/07:21:18.5
18574	M1O	04-012/07:32:42.7		NOTE: Ascending Node Crossing 9217		04-012/07:22:37.6
18575	M1O	04-012/07:50:57.7		NOTE: Exit Solar Eclipse 9217		04-012/07:40:52.5
18576	M1O	04-012/07:54:07.1		SPAWN, Engine = 65535, Parameters = 3, 00:29:14.221, 1	dpt	04-012/07:44:02.0
18577	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
18578	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		
18579	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
18580	M1O	04-012/07:55:09.2		NOTE: ENTER HGA KEEP OUT ZONE		
18581	M1O	04-012/07:55:09.2	43	NOTE: Loss Of X-Band Signal		
18582	M1O	04-012/08:01:30.1		NOTE: Enter Planetary Atmosphere 9217		04-012/07:51:24.8
18583	M1O	04-012/08:02:41.0		NOTE: North Pole Crossing 9217		04-012/07:52:35.8
18584	M1O	04-012/08:03:18.6		NOTE: Apoapsis 9217 -		04-012/07:53:13.4
18585	M1O	04-012/08:03:25.1		NOTE: Enter Earth Occultation 9217		04-012/07:53:19.9
18586	M1O	04-012/08:10:09.2		NOTE: EXIT HGA KEEP OUT ZONE		
18587	M1O	04-012/08:18:23.4		NOTE: Exit Earth Occultation 9217		04-012/08:08:18.2
18588	M1O	04-012/08:18:23.4	43	Acquisition Of X-Band Signal		
18589	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		
18590	M1O	04-012/08:20:19.8		NOTE: Exit Planetary Atmosphere 9217		04-012/08:10:14.5
18591	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
18592	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		
18593	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
18594	M1O	04-012/08:32:40.6		NOTE: Descending Node Crossing 9218		04-012/08:22:35.3
18595	M1O	04-012/09:01:58.4		NOTE: South Pole Crossing 9218		04-012/08:51:53.0
18596	M1O	04-012/09:02:06.9		NOTE: Periapsis 9218 ----------		04-012/08:52:01.5
18597	M1O	04-012/09:29:59.1		NOTE: Enter Solar Eclipse 9218		04-012/09:19:53.6
18598	M1O	04-012/09:31:15.6		NOTE: Ascending Node Crossing 9218		04-012/09:21:10.1
18599	M1O	04-012/09:49:24.8		NOTE: Exit Solar Eclipse 9218		04-012/09:39:19.2
18600	M1O	04-012/09:52:38.5		SPAWN, Engine = 65535, Parameters = 3, 00:29:10.569, 1	dpt	04-012/09:42:33.0
18601	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
18602	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
18603	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
18604	M1O	04-012/09:53:40.5		NOTE: ENTER HGA KEEP OUT ZONE		
18605	M1O	04-012/09:53:40.5	43	NOTE: Loss Of X-Band Signal		
18606	M1O	04-012/10:00:11.1		NOTE: Enter Planetary Atmosphere 9218		04-012/09:50:05.5
18607	M1O	04-012/10:01:14.8		NOTE: North Pole Crossing 9218		04-012/09:51:09.3
18608	M1O	04-012/10:01:35.8		NOTE: Apoapsis 9218 -		04-012/09:51:30.2
18609	M1O	04-012/10:02:07.7		NOTE: Enter Earth Occultation 9218		04-012/09:52:02.1
18610	M1O	04-012/10:08:40.6		NOTE: EXIT HGA KEEP OUT ZONE		
18611	M1O	04-012/10:16:51.2		NOTE: Exit Earth Occultation 9218		04-012/10:06:45.5
18612	M1O	04-012/10:16:51.2	43	Acquisition Of X-Band Signal		
18613	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		
18614	M1O	04-012/10:18:49.1		NOTE: Exit Planetary Atmosphere 9218		04-012/10:08:43.4
18615	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
18616	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		
18617	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
18618	M1O	04-012/10:31:15.1		NOTE: Descending Node Crossing 9219		04-012/10:21:09.4
18619	M1O	04-012/11:00:34.2		NOTE: South Pole Crossing 9219		04-012/10:50:28.4
18620	M1O	04-012/11:00:54.4		NOTE: Periapsis 9219 ----------		04-012/10:50:48.6
18621	M1O	04-012/11:28:36.1		NOTE: Enter Solar Eclipse 9219		04-012/11:18:30.3
18622	M1O	04-012/11:29:52.4		NOTE: Ascending Node Crossing 9219		04-012/11:19:46.5
18623	M1O	04-012/11:44:24.9		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-012/11:34:19.0
18624	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
18625	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
18626	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
18627	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
18628	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
18629	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
18630	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
18631	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		
18632	M1O	04-012/11:47:59.5		NOTE: Exit Solar Eclipse 9219		04-012/11:37:53.6
18633	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
18634	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		
18635	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
18636	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
18637	M1O	04-012/11:52:03.7	43	D/L RF Warning: SC antenna change - expect signal level variation		
18638	M1O	04-012/11:52:04.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-012/11:41:58.8
18639	M1O	04-012/11:52:34.9		NOTE: ENTER HGA KEEP OUT ZONE		
18640	M1O	04-012/11:52:34.9	43	NOTE: Loss Of X-Band Signal		
18641	M1O	04-012/11:58:49.4		NOTE: Enter Planetary Atmosphere 9219		04-012/11:48:43.4
18642	M1O	04-012/11:59:51.1		NOTE: North Pole Crossing 9219		04-012/11:49:45.2
18643	M1O	04-012/12:00:32.6		NOTE: Apoapsis 9219 -		04-012/11:50:26.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18644	M1O	04-012/12:00:46.7		NOTE: Enter Earth Occultation 9219		04-012/11:50:40.7
18645	M1O	04-012/12:07:14.9		NOTE: EXIT HGA KEEP OUT ZONE		
18646	M1O	04-012/12:15:23.8		NOTE: Exit Earth Occultation 9219		04-012/12:05:17.8
18647	M1O	04-012/12:15:23.8	43	Acquisition Of X-Band Signal		
18648	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		
18649	M1O	04-012/12:17:22.3		NOTE: Exit Planetary Atmosphere 9219		04-012/12:07:16.3
18650	M1O	04-012/12:28:08.0	43	NOTE: Below Uplink Interlock Limit		
18651	M1O	04-012/12:29:51.4		NOTE: Descending Node Crossing 9220		04-012/12:19:45.3
18652	M1O	04-012/12:30:00.0	43	End Tracking		
18653	M1O	04-012/12:45:00.0	43	End Post-Cal		
18654	M1O	04-012/12:59:11.3		NOTE: South Pole Crossing 9220		04-012/12:49:05.1
18655	M1O	04-012/12:59:55.9		NOTE: Periapsis 9220 ----------		04-012/12:49:49.7
18656	M1O	04-012/13:27:11.3		NOTE: Enter Solar Eclipse 9220		04-012/13:17:05.1
18657	M1O	04-012/13:28:29.3		NOTE: Ascending Node Crossing 9220		04-012/13:18:23.1
18658	M1O	04-012/13:40:00.0	63	Begin Pre-Cal		
18659	M1O	04-012/13:40:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
18660	M1O	04-012/13:40:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18661	M1O	04-012/13:40:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18662	M1O	04-012/13:40:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18663	M1O	04-012/13:40:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
18664	M1O	04-012/13:40:00.0	63	Config: RCV: Parms:		
18665	M1O	04-012/13:40:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18666	M1O	04-012/13:40:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
18667	M1O	04-012/13:40:00.0	63	Config: TXL		
18668	M1O	04-012/13:40:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
18669	M1O	04-012/13:40:00.0	63	Config: CMD		
18670	M1O	04-012/13:40:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
18671	M1O	04-012/13:46:36.6		NOTE: Exit Solar Eclipse 9220		04-012/13:36:30.3
18672	M1O	04-012/13:51:11.3		NOTE: ENTER HGA KEEP OUT ZONE		
18673	M1O	04-012/13:57:25.5		NOTE: Enter Planetary Atmosphere 9220		04-012/13:47:19.2
18674	M1O	04-012/13:58:27.7		NOTE: North Pole Crossing 9220		04-012/13:48:21.4
18675	M1O	04-012/13:59:23.0		NOTE: Enter Earth Occultation 9220		04-012/13:49:16.7
18676	M1O	04-012/13:59:36.3		NOTE: Apoapsis 9220 -		04-012/13:49:30.0
18677	M1O	04-012/14:05:31.3		NOTE: EXIT HGA KEEP OUT ZONE		
18678	M1O	04-012/14:13:58.8		NOTE: Exit Earth Occultation 9220		04-012/14:03:52.4
18679	M1O	04-012/14:15:57.5		NOTE: Exit Planetary Atmosphere 9220		04-012/14:05:51.1
18680	M1O	04-012/14:28:28.2		NOTE: Descending Node Crossing 9221		04-012/14:18:21.7
18681	M1O	04-012/14:57:47.5		NOTE: South Pole Crossing 9221		04-012/14:47:41.0
18682	M1O	04-012/14:58:45.8		NOTE: Periapsis 9221 ----------		04-012/14:48:39.2
18683	M1O	04-012/15:09:35.5		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-012/14:59:28.9
18684	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
18685	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
18686	M1O	04-012/15:09:37.6		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-012/14:59:31.0
18687	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
18688	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
18689	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
18690	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
18691	M1O	04-012/15:10:00.0	63	Begin Tracking		
18692	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18693	M1O	04-012/15:11:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18694	M1O	04-012/15:14:34.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
18695	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
18696	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
18697	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		
18698	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
18699	M1O	04-012/15:16:00.0	63	Range Modulation On: SUP=3.0dB		
18700	M1O	04-012/15:17:00.0	63	Begin Ranging Acquisition		
18701	M1O	04-012/15:24:34.0	63	Range Modulation Off		
18702	M1O	04-012/15:25:44.3		NOTE: Enter Solar Eclipse 9221		04-012/15:15:37.7
18703	M1O	04-012/15:27:04.5		NOTE: Ascending Node Crossing 9221		04-012/15:16:57.9
18704	M1O	04-012/15:29:34.0	63	X-Band Transmitter Off		
18705	M1O	04-012/15:30:10.5		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-012/15:20:03.8
18706	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
18707	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		
18708	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
18709	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		
18710	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
18711	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		
18712	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
18713	M1O	04-012/15:45:13.5		NOTE: Exit Solar Eclipse 9221		04-012/15:35:06.8
18714	M1O	04-012/15:48:44.5		SPAWN, Engine = 65535, Parameters = 3, 00:29:21, 1	dpt	04-012/15:38:37.8
18715	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
18716	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		
18717	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
18718	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		
18719	M1O	04-012/15:49:47.6		NOTE: ENTER HGA KEEP OUT ZONE		
18720	M1O	04-012/15:49:47.6	63	NOTE: Loss Of X-Band Signal		
18721	M1O	04-012/15:52:55.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18722	M1O	04-012/15:55:57.6		NOTE: Enter Planetary Atmosphere 9221		04-012/15:45:50.9
18723	M1O	04-012/15:57:02.8		NOTE: North Pole Crossing 9221		04-012/15:46:56.1
18724	M1O	04-012/15:57:54.5		NOTE: Enter Earth Occultation 9221		04-012/15:47:47.8
18725	M1O	04-012/15:57:55.0	63	Range Modulation On: SUP=3.0dB		
18726	M1O	04-012/15:58:13.6		NOTE: Apoapsis 9221 -		04-012/15:48:06.9
18727	M1O	04-012/15:58:55.0	63	Begin Ranging Acquisition		
18728	M1O	04-012/16:04:07.7		NOTE: EXIT HGA KEEP OUT ZONE		
18729	M1O	04-012/16:12:36.1		NOTE: Exit Earth Occultation 9221		04-012/16:02:29.4
18730	M1O	04-012/16:12:36.1	63	Acquisition Of X-Band Signal		
18731	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		
18732	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		
18733	M1O	04-012/16:14:34.3		NOTE: Exit Planetary Atmosphere 9221		04-012/16:04:27.5
18734	M1O	04-012/16:18:07.7		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-012/16:08:00.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_sci.cfg,		
18735	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		
18736	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
18737	M1O	04-012/16:27:03.2		NOTE: Descending Node Crossing 9222		04-012/16:16:56.4
18738	M1O	04-012/16:56:21.2		NOTE: South Pole Crossing 9222		04-012/16:46:14.3
18739	M1O	04-012/16:57:09.1		NOTE: Periapsis 9222 ----------		04-012/16:47:02.2
18740	M1O	04-012/17:13:09.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
18741	M1O	04-012/17:23:09.0	63	Range Modulation Off		
18742	M1O	04-012/17:24:15.9		NOTE: Enter Solar Eclipse 9222		04-012/17:14:08.9
18743	M1O	04-012/17:25:37.2		NOTE: Ascending Node Crossing 9222		04-012/17:15:30.2
18744	M1O	04-012/17:28:09.0	63	X-Band Transmitter Off		
18745	M1O	04-012/17:43:48.1		NOTE: Exit Solar Eclipse 9222		04-012/17:33:41.1
18746	M1O	04-012/17:47:19.9		SPAWN, Engine = 65535, Parameters = 3, 00:29:19.870, 1	dpt	04-012/17:37:12.8
18747	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
18748	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		
18749	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
18750	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		
18751	M1O	04-012/17:48:23.0		NOTE: ENTER HGA KEEP OUT ZONE		
18752	M1O	04-012/17:48:23.0	63	NOTE: Loss Of X-Band Signal		
18753	M1O	04-012/17:51:30.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18754	M1O	04-012/17:54:25.9		NOTE: Enter Planetary Atmosphere 9222		04-012/17:44:18.8
18755	M1O	04-012/17:55:35.2		NOTE: North Pole Crossing 9222		04-012/17:45:28.2
18756	M1O	04-012/17:56:22.0		NOTE: Enter Earth Occultation 9222		04-012/17:46:14.9
18757	M1O	04-012/17:56:27.1		NOTE: Apoapsis 9222 -		04-012/17:46:20.1
18758	M1O	04-012/17:56:30.0	63	Range Modulation On: SUP=3.0dB		
18759	M1O	04-012/17:57:30.0	63	Begin Ranging Acquisition		
18760	M1O	04-012/18:03:03.1		NOTE: EXIT HGA KEEP OUT ZONE		
18761	M1O	04-012/18:11:11.8		NOTE: Exit Earth Occultation 9222		04-012/18:01:04.7
18762	M1O	04-012/18:11:11.8	63	Acquisition Of X-Band Signal		
18763	M1O	04-012/18:11:11.8	63	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18764	M1O	04-012/18:11:44.1	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18765	M1O	04-012/18:13:09.2		NOTE: Exit Planetary Atmosphere 9222		04-012/18:03:02.0
18766	M1O	04-012/18:16:42.0		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-012/18:06:34.8
18767	M1O	04-012/18:16:42.0	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18768	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
18769	M1O	04-012/18:25:34.9		NOTE: Descending Node Crossing 9223		04-012/18:15:27.7
18770	M1O	04-012/18:54:52.5		NOTE: South Pole Crossing 9223		04-012/18:44:45.2
18771	M1O	04-012/18:55:21.9		NOTE: Periapsis 9223 ----------		04-012/18:45:14.7
18772	M1O	04-012/19:11:18.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
18773	M1O	04-012/19:21:18.0	63	Range Modulation Off		
18774	M1O	04-012/19:22:48.4		NOTE: Enter Solar Eclipse 9223		04-012/19:12:41.1
18775	M1O	04-012/19:24:08.8		NOTE: Ascending Node Crossing 9223		04-012/19:14:01.4
18776	M1O	04-012/19:26:18.0	63	X-Band Transmitter Off		
18777	M1O	04-012/19:42:18.9		NOTE: Exit Solar Eclipse 9223		04-012/19:32:11.5
18778	M1O	04-012/19:45:30.4		SPAWN, Engine = 65535, Parameters = 3, 00:29:40, 1	dpt	04-012/19:35:23.0
18779	M1O	04-012/19:45:32.5		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-012/19:35:25.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
18780	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		
18781	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
18782	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		
18783	M1O	04-012/19:46:34.4		NOTE: ENTER HGA KEEP OUT ZONE		
18784	M1O	04-012/19:46:34.4	63	NOTE: Loss Of X-Band Signal		
18785	M1O	04-012/19:49:58.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18786	M1O	04-012/19:52:57.2		NOTE: Enter Planetary Atmosphere 9223		04-012/19:42:49.7
18787	M1O	04-012/19:54:06.4		NOTE: North Pole Crossing 9223		04-012/19:43:58.9
18788	M1O	04-012/19:54:53.6		NOTE: Enter Earth Occultation 9223		04-012/19:44:46.1
18789	M1O	04-012/19:54:55.4		NOTE: Apoapsis 9223 -		04-012/19:44:47.9
18790	M1O	04-012/19:54:58.0	63	Range Modulation On: SUP=3.0dB		
18791	M1O	04-012/19:55:58.0	63	Begin Ranging Acquisition		
18792	M1O	04-012/20:01:34.4		NOTE: EXIT HGA KEEP OUT ZONE		
18793	M1O	04-012/20:09:41.1		NOTE: Exit Earth Occultation 9223		04-012/19:59:33.6
18794	M1O	04-012/20:09:41.1	63	Acquisition Of X-Band Signal		
18795	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		
18796	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		
18797	M1O	04-012/20:11:38.7		NOTE: Exit Planetary Atmosphere 9223		04-012/20:01:31.2
18798	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
18799	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		
18800	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
18801	M1O	04-012/20:24:05.4		NOTE: Descending Node Crossing 9224		04-012/20:13:57.9
18802	M1O	04-012/20:53:23.8		NOTE: South Pole Crossing 9224		04-012/20:43:16.2
18803	M1O	04-012/20:53:49.0		NOTE: Periapsis 9224 ----------		04-012/20:43:41.3
18804	M1O	04-012/21:10:09.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
18805	M1O	04-012/21:20:09.0	63	Range Modulation Off		
18806	M1O	04-012/21:21:22.0		NOTE: Enter Solar Eclipse 9224		04-012/21:11:14.2
18807	M1O	04-012/21:22:41.2		NOTE: Ascending Node Crossing 9224		04-012/21:12:33.5
18808	M1O	04-012/21:25:09.0	63	X-Band Transmitter Off		
18809	M1O	04-012/21:40:45.9		NOTE: Exit Solar Eclipse 9224		04-012/21:30:38.1
18810	M1O	04-012/21:44:21.8		SPAWN, Engine = 65535, Parameters = 3, 00:29:14, 1	dpt	04-012/21:34:14.0
18811	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
18812	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		
18813	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
18814	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		
18815	M1O	04-012/21:45:25.8		NOTE: ENTER HGA KEEP OUT ZONE		
18816	M1O	04-012/21:45:25.8	63	NOTE: Loss Of X-Band Signal		
18817	M1O	04-012/21:48:23.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
18818	M1O	04-012/21:51:39.4		NOTE: Enter Planetary Atmosphere 9224		04-012/21:41:31.5
18819	M1O	04-012/21:52:40.0		NOTE: North Pole Crossing 9224		04-012/21:42:32.2
18820	M1O	04-012/21:53:23.0	63	Range Modulation On: SUP=3.0dB		
18821	M1O	04-012/21:53:36.2		NOTE: Apoapsis 9224 -		04-012/21:43:28.4
18822	M1O	04-012/21:53:37.9		NOTE: Enter Earth Occultation 9224		04-012/21:43:30.0
18823	M1O	04-012/21:54:23.0	63	Begin Ranging Acquisition		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18824	M1O	04-012/21:59:45.8		NOTE: EXIT HGA KEEP OUT ZONE		
18825	M1O	04-012/22:08:06.3		NOTE: Exit Earth Occultation 9224		04-012/21:57:58.4
18826	M1O	04-012/22:08:06.3	63	Acquisition Of X-Band Signal		
18827	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		
18828	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		
18829	M1O	04-012/22:10:06.0		NOTE: Exit Planetary Atmosphere 9224		04-012/21:59:58.1
18830	M1O	04-012/22:11:42.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
18831	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
18832	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		
18833	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
18834	M1O	04-012/22:21:42.0	63	Range Modulation Off		
18835	M1O	04-012/22:22:40.3		NOTE: Descending Node Crossing 9225		04-012/22:12:32.4
18836	M1O	04-012/22:26:42.0	63	X-Band Transmitter Off		
18837	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
18838	M1O	04-012/22:35:41.0		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-012/22:25:33.1
18839	M1O	04-012/22:35:42.0		Forces a desaturation of the reaction wheels.	RW_DESAT	04-012/22:25:34.1
18840	M1O	04-012/22:38:46.9		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, TRUE	cend	04-012/22:28:39.0
18841	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
18842	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
18843	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
18844	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
18845	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
18846	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
18847	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
18848	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		
18849	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
18850	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		
18851	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
18852	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
18853	M1O	04-012/22:46:39.8	63	NOTE: Loss Of X-Band Signal		
18854	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
18855	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
18856	M1O	04-012/22:46:51.8		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-012/22:36:43.8
18857	M1O	04-012/22:47:12.1		CALL, Engine = , Parameters = FALSE	park_hga	04-012/22:37:04.1
18858	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
18859	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
18860	M1O	04-012/22:47:14.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-012/22:37:06.1
18861	M1O	04-012/22:47:14.1		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-012/22:37:06.1
18862	M1O	04-012/22:47:14.1		NOTE: START HGA PARK		
18863	M1O	04-012/22:47:15.1		Initializes the identified object using the specified files.: SAM_GIMBAL_AXIS,	FSW_OBJ_INITIAL	04-012/22:37:07.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/sam_ga_hga_cps.cfg,		
18864	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
18865	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
18866	M1O	04-012/22:51:59.0		NOTE: South Pole Crossing 9225		04-012/22:41:51.0
18867	M1O	04-012/22:52:31.2		NOTE: Periapsis 9225 ----------		04-012/22:42:23.2
18868	M1O	04-012/22:55:16.1		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-012/22:45:08.1
18869	M1O	04-012/22:55:16.1		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-012/22:45:08.1
18870	M1O	04-012/23:19:56.6		NOTE: Enter Solar Eclipse 9225		04-012/23:09:48.5
18871	M1O	04-012/23:20:02.0	63	NOTE: Below Uplink Interlock Limit		
18872	M1O	04-012/23:21:16.3		NOTE: Ascending Node Crossing 9225		04-012/23:11:08.2
18873	M1O	04-012/23:25:16.1		GV: GV_DESAT_ACTIVE = 1		04-012/23:15:08.0
18874	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
18875	M1O	04-012/23:25:17.1		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-012/23:15:09.0
18876	M1O	04-012/23:35:00.0	63	End Tracking		
18877	M1O	04-012/23:35:16.1		GV: GV_DESAT_ACTIVE = 0		04-012/23:25:08.0
18878	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
18879	M1O	04-012/23:35:18.1		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-012/23:25:10.0
18880	M1O	04-012/23:35:19.1		CALL, Engine = , Parameters =	unpark_hga	04-012/23:25:11.0
18881	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
18882	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
18883	M1O	04-012/23:39:16.5		NOTE: Exit Solar Eclipse 9225		04-012/23:29:08.3
18884	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
18885	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
18886	M1O	04-012/23:43:51.1		NOTE: EXIT HGA PARK		
18887	M1O	04-012/23:44:00.1		NOTE: ENTER HGA KEEP OUT ZONE		
18888	M1O	04-012/23:50:00.0	63	End Post-Cal		
18889	M1O	04-012/23:50:21.7		NOTE: Enter Planetary Atmosphere 9225		04-012/23:40:13.5
18890	M1O	04-012/23:51:16.1		NOTE: North Pole Crossing 9225		04-012/23:41:07.9
18891	M1O	04-012/23:52:09.0		NOTE: Apoapsis 9225 -		04-012/23:42:00.8
18892	M1O	04-012/23:52:21.6		NOTE: Enter Earth Occultation 9225		04-012/23:42:13.4
18893	M1O	04-012/23:58:20.2		NOTE: EXIT HGA KEEP OUT ZONE		
18894	M1O	04-013/00:00:00.0		Light Time: OWLT = 10:08, RTLT = 20:16		
18895	M1O	04-013/00:00:00.0	14	Begin Pre-Cal		
18896	M1O	04-013/00:00:00.0	14	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
18897	M1O	04-013/00:00:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18898	M1O	04-013/00:00:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18899	M1O	04-013/00:00:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18900	M1O	04-013/00:00:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
18901	M1O	04-013/00:00:00.0	14	Config: RCV: Parms:		
18902	M1O	04-013/00:00:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18903	M1O	04-013/00:00:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
18904	M1O	04-013/00:00:00.0	14	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
18905	M1O	04-013/00:06:37.1		NOTE: Exit Earth Occultation 9225		04-012/23:56:28.8
18906	M1O	04-013/00:08:38.3		NOTE: Exit Planetary Atmosphere 9225		04-012/23:58:30.0
18907	M1O	04-013/00:21:17.5		NOTE: Descending Node Crossing 9226		04-013/00:11:09.2
18908	M1O	04-013/00:50:36.0		NOTE: South Pole Crossing 9226		04-013/00:40:27.6
18909	M1O	04-013/00:51:08.3		NOTE: Periapsis 9226 ----------		04-013/00:40:59.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18910	M1O	04-013/01:14:35.2		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-013/01:04:26.7
18911	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
18912	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
18913	M1O	04-013/01:14:37.3		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-013/01:04:28.8
18914	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
18915	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
18916	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
18917	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
18918	M1O	04-013/01:15:00.0	14	Begin Tracking		
18919	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		
18920	M1O	04-013/01:18:32.7		NOTE: Enter Solar Eclipse 9226		04-013/01:08:24.3
18921	M1O	04-013/01:19:53.0		NOTE: Ascending Node Crossing 9226		04-013/01:09:44.5
18922	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
18923	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
18924	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		
18925	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
18926	M1O	04-013/01:37:52.0		NOTE: Exit Solar Eclipse 9226		04-013/01:27:43.4
18927	M1O	04-013/01:41:35.5		SPAWN, Engine = 65535, Parameters = 3, 00:28:36.442, 1	dpt	04-013/01:31:27.0
18928	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
18929	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		
18930	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
18931	M1O	04-013/01:42:37.5		NOTE: ENTER HGA KEEP OUT ZONE		
18932	M1O	04-013/01:42:37.5	14	NOTE: Loss Of X-Band Signal		
18933	M1O	04-013/01:48:58.4		NOTE: Enter Planetary Atmosphere 9226		04-013/01:38:49.8
18934	M1O	04-013/01:49:52.8		NOTE: North Pole Crossing 9226		04-013/01:39:44.2
18935	M1O	04-013/01:50:32.6		NOTE: Apoapsis 9226 -		04-013/01:40:24.0
18936	M1O	04-013/01:50:58.2		NOTE: Enter Earth Occultation 9226		04-013/01:40:49.6
18937	M1O	04-013/01:56:57.5		NOTE: EXIT HGA KEEP OUT ZONE		
18938	M1O	04-013/02:05:14.0		NOTE: Exit Earth Occultation 9226		04-013/01:55:05.4
18939	M1O	04-013/02:05:14.0	14	Acquisition Of X-Band Signal		
18940	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		
18941	M1O	04-013/02:07:15.2		NOTE: Exit Planetary Atmosphere 9226		04-013/01:57:06.5
18942	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
18943	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		
18944	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
18945	M1O	04-013/02:19:54.0		NOTE: Descending Node Crossing 9227		04-013/02:09:45.3
18946	M1O	04-013/02:49:12.6		NOTE: South Pole Crossing 9227		04-013/02:39:03.8
18947	M1O	04-013/02:49:40.1		NOTE: Periapsis 9227 ----------		04-013/02:39:31.3
18948	M1O	04-013/03:17:09.5		NOTE: Enter Solar Eclipse 9227		04-013/03:07:00.7
18949	M1O	04-013/03:18:29.6		NOTE: Ascending Node Crossing 9227		04-013/03:08:20.7
18950	M1O	04-013/03:36:30.6		NOTE: Exit Solar Eclipse 9227		04-013/03:26:21.7
18951	M1O	04-013/03:40:11.9		SPAWN, Engine = 65535, Parameters = 3, 00:28:40.172, 1	dpt	04-013/03:30:03.0
18952	M1O	04-013/03:40:14.0		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-013/03:30:05.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
18953	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		
18954	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
18955	M1O	04-013/03:41:13.9		NOTE: ENTER HGA KEEP OUT ZONE		
18956	M1O	04-013/03:41:13.9	14	NOTE: Loss Of X-Band Signal		
18957	M1O	04-013/03:47:28.5		NOTE: Enter Planetary Atmosphere 9227		04-013/03:37:19.6
18958	M1O	04-013/03:48:28.4		NOTE: North Pole Crossing 9227		04-013/03:38:19.4
18959	M1O	04-013/03:48:54.5		NOTE: Apoapsis 9227 -		04-013/03:38:45.5
18960	M1O	04-013/03:49:27.1		NOTE: Enter Earth Occultation 9227		04-013/03:39:18.2
18961	M1O	04-013/03:55:33.9		NOTE: EXIT HGA KEEP OUT ZONE		
18962	M1O	04-013/04:03:54.1		NOTE: Exit Earth Occultation 9227		04-013/03:53:45.1
18963	M1O	04-013/04:03:54.1	14	Acquisition Of X-Band Signal		
18964	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		
18965	M1O	04-013/04:05:54.0		NOTE: Exit Planetary Atmosphere 9227		04-013/03:55:45.0
18966	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
18967	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		
18968	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
18969	M1O	04-013/04:18:28.3		NOTE: Descending Node Crossing 9228		04-013/04:08:19.3
18970	M1O	04-013/04:47:46.8		NOTE: South Pole Crossing 9228		04-013/04:37:37.7
18971	M1O	04-013/04:48:15.1		NOTE: Periapsis 9228 ----------		04-013/04:38:05.9
18972	M1O	04-013/05:00:00.0	43	Begin Pre-Cal		
18973	M1O	04-013/05:00:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
18974	M1O	04-013/05:00:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
18975	M1O	04-013/05:00:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
18976	M1O	04-013/05:00:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
18977	M1O	04-013/05:00:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
18978	M1O	04-013/05:00:00.0	43	Config: RCV: Parms:		
18979	M1O	04-013/05:00:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
18980	M1O	04-013/05:00:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
18981	M1O	04-013/05:00:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
18982	M1O	04-013/05:15:43.2		NOTE: Enter Solar Eclipse 9228		04-013/05:05:34.0
18983	M1O	04-013/05:17:03.8		NOTE: Ascending Node Crossing 9228		04-013/05:06:54.6
18984	M1O	04-013/05:35:07.9		NOTE: Exit Solar Eclipse 9228		04-013/05:24:58.6
18985	M1O	04-013/05:38:46.2		SPAWN, Engine = 65535, Parameters = 3, 00:28:41.040, 1	dpt	04-013/05:28:37.0
18986	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
18987	M1O	04-013/05:38:48.3	14	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
18988	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
18989	M1O	04-013/05:39:48.2		NOTE: ENTER HGA KEEP OUT ZONE		
18990	M1O	04-013/05:39:48.2	14	NOTE: Loss Of X-Band Signal		
18991	M1O	04-013/05:45:55.9		NOTE: Enter Planetary Atmosphere 9228		04-013/05:35:46.6
18992	M1O	04-013/05:47:01.5		NOTE: North Pole Crossing 9228		04-013/05:36:52.2
18993	M1O	04-013/05:47:35.9		NOTE: Apoapsis 9228 -		04-013/05:37:26.6
18994	M1O	04-013/05:47:53.5		NOTE: Enter Earth Occultation 9228		04-013/05:37:44.1
18995	M1O	04-013/05:54:08.3		NOTE: EXIT HGA KEEP OUT ZONE		
18996	M1O	04-013/06:02:30.5		NOTE: Exit Earth Occultation 9228		04-013/05:52:21.1
18997	M1O	04-013/06:02:30.5	14	Acquisition Of X-Band Signal		
18998	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		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
18999	M1O	04-013/06:04:29.2		NOTE: Exit Planetary Atmosphere 9228		04-013/05:54:19.9
19000	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
19001	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		
19002	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
19003	M1O	04-013/06:17:00.5		NOTE: Descending Node Crossing 9229		04-013/06:06:51.1
19004	M1O	04-013/06:45:00.0	43	Begin Tracking		
19005	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		
19006	M1O	04-013/06:46:18.2		NOTE: South Pole Crossing 9229		04-013/06:36:08.7
19007	M1O	04-013/06:46:45.7		NOTE: Periapsis 9229 ----------		04-013/06:36:36.2
19008	M1O	04-013/06:49:58.0	14	NOTE: Below Uplink Interlock Limit		
19009	M1O	04-013/06:50:00.0	14	End Tracking		
19010	M1O	04-013/07:05:00.0	14	End Post-Cal		
19011	M1O	04-013/07:10:09.5		SPAWN, Engine = 65535, Parameters =	scdiag	04-013/07:00:00.0
19012	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
19013	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
19014	M1O	04-013/07:11:12.5		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-013/07:01:03.0
19015	M1O	04-013/07:11:12.7		NOTE: Start Block fsw_diag		04-013/07:01:03.2
19016	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
19017	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
19018	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
19019	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
19020	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
19021	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
19022	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
19023	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
19024	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
19025	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
19026	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
19027	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
19028	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
19029	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
19030	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
19031	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
19032	M1O	04-013/07:14:13.6		NOTE: Enter Solar Eclipse 9229		04-013/07:04:04.0
19033	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
19034	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
19035	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
19036	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
19037	M1O	04-013/07:14:23.7		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-013/07:04:14.2
19038	M1O	04-013/07:14:34.7		NOTE: End Block fsw_diag.mod		04-013/07:04:25.2
19039	M1O	04-013/07:15:34.6		NOTE: Ascending Node Crossing 9229		04-013/07:05:25.0
19040	M1O	04-013/07:33:38.4		NOTE: Exit Solar Eclipse 9229		04-013/07:23:28.8
19041	M1O	04-013/07:37:18.6		SPAWN, Engine = 65535, Parameters = 3, 00:28:40.082, 1	dpt	04-013/07:27:09.0
19042	M1O	04-013/07:37:20.7		Initializes the identified object using the specified files.: DWN_DPT,	FSW_OBJ_INITIAL	04-013/07:27:11.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/cfg/dwn_dpt_nom_rt_only.cfg,		
19043	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		
19044	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
19045	M1O	04-013/07:38:20.6		NOTE: ENTER HGA KEEP OUT ZONE		
19046	M1O	04-013/07:38:20.6	43	NOTE: Loss Of X-Band Signal		
19047	M1O	04-013/07:44:27.0		NOTE: Enter Planetary Atmosphere 9229		04-013/07:34:17.4
19048	M1O	04-013/07:45:32.6		NOTE: North Pole Crossing 9229		04-013/07:35:23.0
19049	M1O	04-013/07:46:06.8		NOTE: Apoapsis 9229 -		04-013/07:35:57.1
19050	M1O	04-013/07:46:24.7		NOTE: Enter Earth Occultation 9229		04-013/07:36:15.0
19051	M1O	04-013/07:52:40.7		NOTE: EXIT HGA KEEP OUT ZONE		
19052	M1O	04-013/08:01:00.8		NOTE: Exit Earth Occultation 9229		04-013/07:50:51.0
19053	M1O	04-013/08:01:00.8	43	Acquisition Of X-Band Signal		
19054	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		
19055	M1O	04-013/08:02:59.7		NOTE: Exit Planetary Atmosphere 9229		04-013/07:52:50.0
19056	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
19057	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		
19058	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
19059	M1O	04-013/08:15:31.8		NOTE: Descending Node Crossing 9230		04-013/08:05:22.0
19060	M1O	04-013/08:44:49.1		NOTE: South Pole Crossing 9230		04-013/08:34:39.2
19061	M1O	04-013/08:44:58.5		NOTE: Periapsis 9230 ----------		04-013/08:34:48.6
19062	M1O	04-013/09:12:46.7		NOTE: Enter Solar Eclipse 9230		04-013/09:02:36.7
19063	M1O	04-013/09:14:05.9		NOTE: Ascending Node Crossing 9230		04-013/09:03:55.9
19064	M1O	04-013/09:32:04.2		NOTE: Exit Solar Eclipse 9230		04-013/09:21:54.2
19065	M1O	04-013/09:35:50.0		SPAWN, Engine = 65535, Parameters = 3, 00:28:34.702, 1	dpt	04-013/09:25:40.0
19066	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
19067	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		
19068	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
19069	M1O	04-013/09:36:52.0		NOTE: ENTER HGA KEEP OUT ZONE		
19070	M1O	04-013/09:36:52.0	43	NOTE: Loss Of X-Band Signal		
19071	M1O	04-013/09:43:06.8		NOTE: Enter Planetary Atmosphere 9230		04-013/09:32:56.8
19072	M1O	04-013/09:44:05.1		NOTE: North Pole Crossing 9230		04-013/09:33:55.0
19073	M1O	04-013/09:44:21.3		NOTE: Apoapsis 9230 -		04-013/09:34:11.2
19074	M1O	04-013/09:45:06.2		NOTE: Enter Earth Occultation 9230		04-013/09:34:56.1
19075	M1O	04-013/09:51:12.0		NOTE: EXIT HGA KEEP OUT ZONE		
19076	M1O	04-013/09:59:26.8		NOTE: Exit Earth Occultation 9230		04-013/09:49:16.7
19077	M1O	04-013/09:59:26.8	43	Acquisition Of X-Band Signal		
19078	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		
19079	M1O	04-013/10:00:00.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19080	M1O	04-013/10:01:27.5		NOTE: Exit Planetary Atmosphere 9230		04-013/09:51:17.4
19081	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
19082	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		
19083	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
19084	M1O	04-013/10:05:00.0	43	Range Modulation On: SUP=3.0dB		
19085	M1O	04-013/10:06:00.0	43	Begin Ranging Acquisition		
19086	M1O	04-013/10:14:05.1		NOTE: Descending Node Crossing 9231		04-013/10:03:55.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19087	M1O	04-013/10:19:17.4		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-013/10:09:07.2
19088	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
19089	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		
19090	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
19091	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		
19092	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
19093	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		
19094	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
19095	M1O	04-013/10:43:23.6		NOTE: South Pole Crossing 9231		04-013/10:33:13.3
19096	M1O	04-013/10:43:30.5		NOTE: Periapsis 9231 ----------		04-013/10:33:20.3
19097	M1O	04-013/11:00:04.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
19098	M1O	04-013/11:10:04.0	43	Range Modulation Off		
19099	M1O	04-013/11:11:23.9		NOTE: Enter Solar Eclipse 9231		04-013/11:01:13.6
19100	M1O	04-013/11:12:41.5		NOTE: Ascending Node Crossing 9231		04-013/11:02:31.2
19101	M1O	04-013/11:15:04.0	43	X-Band Transmitter Off		
19102	M1O	04-013/11:30:36.1		NOTE: Exit Solar Eclipse 9231		04-013/11:20:25.7
19103	M1O	04-013/11:34:21.6		SPAWN, Engine = 65535, Parameters = 3, 00:29:05, 1	dpt	04-013/11:24:11.2
19104	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
19105	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		
19106	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
19107	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		
19108	M1O	04-013/11:35:25.4		NOTE: ENTER HGA KEEP OUT ZONE		
19109	M1O	04-013/11:35:25.4	43	NOTE: Loss Of X-Band Signal		
19110	M1O	04-013/11:38:09.0	43	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19111	M1O	04-013/11:41:46.7		NOTE: Enter Planetary Atmosphere 9231		04-013/11:31:36.2
19112	M1O	04-013/11:42:40.7		NOTE: North Pole Crossing 9231		04-013/11:32:30.2
19113	M1O	04-013/11:43:03.2		NOTE: Apoapsis 9231 -		04-013/11:32:52.8
19114	M1O	04-013/11:43:09.0	43	Range Modulation On: SUP=3.0dB		
19115	M1O	04-013/11:43:47.2		NOTE: Enter Earth Occultation 9231		04-013/11:33:36.8
19116	M1O	04-013/11:44:09.0	43	Begin Ranging Acquisition		
19117	M1O	04-013/11:49:45.4		NOTE: EXIT HGA KEEP OUT ZONE		
19118	M1O	04-013/11:57:57.3		NOTE: Exit Earth Occultation 9231		04-013/11:47:46.8
19119	M1O	04-013/11:57:57.3	43	Acquisition Of X-Band Signal		
19120	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		
19121	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		
19122	M1O	04-013/11:59:38.0	43	NOTE: X-Band Transmitter Off in 15 minutes		
19123	M1O	04-013/11:59:59.1		NOTE: Exit Planetary Atmosphere 9231		04-013/11:49:48.6
19124	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
19125	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		
19126	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
19127	M1O	04-013/12:09:38.0	43	Range Modulation Off		
19128	M1O	04-013/12:12:40.8		NOTE: Descending Node Crossing 9232		04-013/12:02:30.3

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19129	M1O	04-013/12:14:38.0	43	X-Band Transmitter Off		
19130	M1O	04-013/12:14:38.8	43	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
19131	M1O	04-013/12:25:40.0	43	NOTE: Below Uplink Interlock Limit		
19132	M1O	04-013/12:26:48.5		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-013/12:16:38.0
19133	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
19134	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
19135	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
19136	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
19137	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
19138	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
19139	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
19140	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		
19141	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
19142	M1O	04-013/12:34:10.4	43	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19143	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
19144	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
19145	M1O	04-013/12:34:27.4	43	D/L RF Warning: SC antenna change - expect signal level variation		
19146	M1O	04-013/12:34:28.4		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-013/12:24:17.8
19147	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		
19148	M1O	04-013/12:35:00.0	43	End Tracking		
19149	M1O	04-013/12:42:00.4		NOTE: South Pole Crossing 9232		04-013/12:31:49.8
19150	M1O	04-013/12:42:29.5		NOTE: Periapsis 9232 ----------		04-013/12:32:18.9
19151	M1O	04-013/12:50:00.0	43	End Post-Cal		
19152	M1O	04-013/13:10:00.1		NOTE: Enter Solar Eclipse 9232		04-013/12:59:49.4
19153	M1O	04-013/13:11:18.8		NOTE: Ascending Node Crossing 9232		04-013/13:01:08.0
19154	M1O	04-013/13:29:12.6		NOTE: Exit Solar Eclipse 9232		04-013/13:19:01.8
19155	M1O	04-013/13:34:20.7		NOTE: ENTER HGA KEEP OUT ZONE		
19156	M1O	04-013/13:35:00.0	63	Begin Pre-Cal		
19157	M1O	04-013/13:35:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
19158	M1O	04-013/13:35:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
19159	M1O	04-013/13:35:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
19160	M1O	04-013/13:35:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
19161	M1O	04-013/13:35:00.0	63	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
19162	M1O	04-013/13:35:00.0	63	Config: RCV: Parms:		
19163	M1O	04-013/13:35:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
19164	M1O	04-013/13:35:00.0	63	Config: TGC: BAND=X, SR=221200.000000		
19165	M1O	04-013/13:35:00.0	63	Config: TXL		
19166	M1O	04-013/13:35:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
19167	M1O	04-013/13:35:00.0	63	Config: CMD		
19168	M1O	04-013/13:35:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
19169	M1O	04-013/13:40:23.8		NOTE: Enter Planetary Atmosphere 9232		04-013/13:30:13.0
19170	M1O	04-013/13:41:17.3		NOTE: North Pole Crossing 9232		04-013/13:31:06.5
19171	M1O	04-013/13:42:09.3		NOTE: Apoapsis 9232 -		04-013/13:31:58.4
19172	M1O	04-013/13:42:24.9		NOTE: Enter Earth Occultation 9232		04-013/13:32:14.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19173	M1O	04-013/13:48:00.8		NOTE: EXIT HGA KEEP OUT ZONE		
19174	M1O	04-013/13:56:31.2		NOTE: Exit Earth Occultation 9232		04-013/13:46:20.3
19175	M1O	04-013/13:58:33.4		NOTE: Exit Planetary Atmosphere 9232		04-013/13:48:22.6
19176	M1O	04-013/14:11:17.6		NOTE: Descending Node Crossing 9233		04-013/14:01:06.7
19177	M1O	04-013/14:19:35.4		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-013/14:09:24.4
19178	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
19179	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
19180	M1O	04-013/14:19:37.5		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-013/14:09:26.5
19181	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
19182	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
19183	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
19184	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
19185	M1O	04-013/14:20:00.0	63	Begin Tracking		
19186	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		
19187	M1O	04-013/14:21:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19188	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
19189	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
19190	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		
19191	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
19192	M1O	04-013/14:26:00.0	63	Range Modulation On: SUP=3.0dB		
19193	M1O	04-013/14:27:00.0	63	Begin Ranging Acquisition		
19194	M1O	04-013/14:40:19.3		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-013/14:30:08.4
19195	M1O	04-013/14:40:21.4		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_nom_rt_only.cfg,	FSW_OBJ_INITIAL	04-013/14:30:10.5
19196	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		
19197	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
19198	M1O	04-013/14:40:37.2		NOTE: South Pole Crossing 9233		04-013/14:30:26.2
19199	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		
19200	M1O	04-013/14:41:26.9		NOTE: Periapsis 9233 ----------		04-013/14:31:15.9
19201	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
19202	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		
19203	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
19204	M1O	04-013/14:57:34.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
19205	M1O	04-013/15:07:34.0	63	Range Modulation Off		
19206	M1O	04-013/15:08:34.1		NOTE: Enter Solar Eclipse 9233		04-013/14:58:23.0
19207	M1O	04-013/15:09:54.9		NOTE: Ascending Node Crossing 9233		04-013/14:59:43.8
19208	M1O	04-013/15:12:34.0	63	X-Band Transmitter Off		
19209	M1O	04-013/15:27:49.8		NOTE: Exit Solar Eclipse 9233		04-013/15:17:38.6
19210	M1O	04-013/15:31:53.5		SPAWN, Engine = 65535, Parameters = 3, 00:28:44, 1	dpt	04-013/15:21:42.4
19211	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
19212	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		
19213	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19214	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		
19215	M1O	04-013/15:32:57.1		NOTE: ENTER HGA KEEP OUT ZONE		
19216	M1O	04-013/15:32:57.1	63	NOTE: Loss Of X-Band Signal		
19217	M1O	04-013/15:35:18.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19218	M1O	04-013/15:38:58.3		NOTE: Enter Planetary Atmosphere 9233		04-013/15:28:47.1
19219	M1O	04-013/15:39:53.4		NOTE: North Pole Crossing 9233		04-013/15:29:42.2
19220	M1O	04-013/15:40:18.0	63	Range Modulation On: SUP=3.0dB		
19221	M1O	04-013/15:40:59.1		NOTE: Enter Earth Occultation 9233		04-013/15:30:47.9
19222	M1O	04-013/15:41:00.9		NOTE: Apoapsis 9233 -		04-013/15:30:49.7
19223	M1O	04-013/15:41:18.0	63	Begin Ranging Acquisition		
19224	M1O	04-013/15:46:37.2		NOTE: EXIT HGA KEEP OUT ZONE		
19225	M1O	04-013/15:55:07.6		NOTE: Exit Earth Occultation 9233		04-013/15:44:56.4
19226	M1O	04-013/15:55:07.6	63	Acquisition Of X-Band Signal		
19227	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		
19228	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		
19229	M1O	04-013/15:57:09.6		NOTE: Exit Planetary Atmosphere 9233		04-013/15:46:58.4
19230	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
19231	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		
19232	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
19233	M1O	04-013/16:09:53.9		NOTE: Descending Node Crossing 9234		04-013/15:59:42.6
19234	M1O	04-013/16:39:12.4		NOTE: South Pole Crossing 9234		04-013/16:29:01.0
19235	M1O	04-013/16:40:04.0		NOTE: Periapsis 9234 ----------		04-013/16:29:52.6
19236	M1O	04-013/16:56:10.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
19237	M1O	04-013/17:06:10.0	63	Range Modulation Off		
19238	M1O	04-013/17:07:05.8		NOTE: Enter Solar Eclipse 9234		04-013/16:56:54.3
19239	M1O	04-013/17:08:28.8		NOTE: Ascending Node Crossing 9234		04-013/16:58:17.3
19240	M1O	04-013/17:11:10.0	63	X-Band Transmitter Off		
19241	M1O	04-013/17:26:25.7		NOTE: Exit Solar Eclipse 9234		04-013/17:16:14.2
19242	M1O	04-013/17:30:29.9		SPAWN, Engine = 65535, Parameters = 3, 00:28:44, 1	dpt	04-013/17:20:18.4
19243	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
19244	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		
19245	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
19246	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		
19247	M1O	04-013/17:31:33.5		NOTE: ENTER HGA KEEP OUT ZONE		
19248	M1O	04-013/17:31:33.5	63	NOTE: Loss Of X-Band Signal		
19249	M1O	04-013/17:33:54.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19250	M1O	04-013/17:37:28.1		NOTE: Enter Planetary Atmosphere 9234		04-013/17:27:16.5
19251	M1O	04-013/17:38:27.1		NOTE: North Pole Crossing 9234		04-013/17:28:15.6
19252	M1O	04-013/17:38:54.0	63	Range Modulation On: SUP=3.0dB		
19253	M1O	04-013/17:39:23.3		NOTE: Apoapsis 9234 -		04-013/17:29:11.7
19254	M1O	04-013/17:39:28.0		NOTE: Enter Earth Occultation 9234		04-013/17:29:16.5
19255	M1O	04-013/17:39:54.0	63	Begin Ranging Acquisition		
19256	M1O	04-013/17:45:13.5		NOTE: EXIT HGA KEEP OUT ZONE		
19257	M1O	04-013/17:53:44.7		NOTE: Exit Earth Occultation 9234		04-013/17:43:33.1
19258	M1O	04-013/17:53:44.7	63	Acquisition Of X-Band Signal		
19259	M1O	04-013/17:53:44.7	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		
19260	M1O	04-013/17:54:17.0	63	Acquire D/L: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19261	M1O	04-013/17:55:46.0		NOTE: Exit Planetary Atmosphere 9234		04-013/17:45:34.4
19262	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
19263	M1O	04-013/17:59:16.1	63	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19264	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
19265	M1O	04-013/18:08:27.2		NOTE: Descending Node Crossing 9235		04-013/17:58:15.6
19266	M1O	04-013/18:37:44.6		NOTE: South Pole Crossing 9235		04-013/18:27:32.9
19267	M1O	04-013/18:38:17.4		NOTE: Periapsis 9235 ----------		04-013/18:28:05.6
19268	M1O	04-013/18:54:22.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
19269	M1O	04-013/19:04:22.0	63	Range Modulation Off		
19270	M1O	04-013/19:05:37.6		NOTE: Enter Solar Eclipse 9235		04-013/18:55:25.8
19271	M1O	04-013/19:07:00.5		NOTE: Ascending Node Crossing 9235		04-013/18:56:48.7
19272	M1O	04-013/19:09:22.0	63	X-Band Transmitter Off		
19273	M1O	04-013/19:24:58.8		NOTE: Exit Solar Eclipse 9235		04-013/19:14:46.9
19274	M1O	04-013/19:28:43.4		SPAWN, Engine = 65535, Parameters = 3, 00:29:04, 1	dpt	04-013/19:18:31.5
19275	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
19276	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		
19277	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
19278	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		
19279	M1O	04-013/19:29:46.9		NOTE: ENTER HGA KEEP OUT ZONE		
19280	M1O	04-013/19:29:46.9	63	NOTE: Loss Of X-Band Signal		
19281	M1O	04-013/19:32:26.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19282	M1O	04-013/19:35:55.6		NOTE: Enter Planetary Atmosphere 9235		04-013/19:25:43.7
19283	M1O	04-013/19:36:58.3		NOTE: North Pole Crossing 9235		04-013/19:26:46.4
19284	M1O	04-013/19:37:26.0	63	Range Modulation On: SUP=3.0dB		
19285	M1O	04-013/19:37:36.9		NOTE: Apoapsis 9235 -		04-013/19:27:25.0
19286	M1O	04-013/19:37:54.9		NOTE: Enter Earth Occultation 9235		04-013/19:27:43.0
19287	M1O	04-013/19:38:26.0	63	Begin Ranging Acquisition		
19288	M1O	04-013/19:43:46.9		NOTE: EXIT HGA KEEP OUT ZONE		
19289	M1O	04-013/19:52:18.1		NOTE: Exit Earth Occultation 9235		04-013/19:42:06.1
19290	M1O	04-013/19:52:18.1	63	Acquisition Of X-Band Signal		
19291	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		
19292	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		
19293	M1O	04-013/19:54:18.6		NOTE: Exit Planetary Atmosphere 9235		04-013/19:44:06.6
19294	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
19295	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		
19296	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
19297	M1O	04-013/20:06:57.3		NOTE: Descending Node Crossing 9236		04-013/19:56:45.3
19298	M1O	04-013/20:36:15.1		NOTE: South Pole Crossing 9236		04-013/20:26:03.0
19299	M1O	04-013/20:36:34.3		NOTE: Periapsis 9236 ----------		04-013/20:26:22.2
19300	M1O	04-013/20:52:52.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
19301	M1O	04-013/21:02:52.0	63	Range Modulation Off		
19302	M1O	04-013/21:04:10.8		NOTE: Enter Solar Eclipse 9236		04-013/20:53:58.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19303	M1O	04-013/21:05:32.2		NOTE: Ascending Node Crossing 9236		04-013/20:55:20.0
19304	M1O	04-013/21:07:52.0	63	X-Band Transmitter Off		
19305	M1O	04-013/21:23:27.1		NOTE: Exit Solar Eclipse 9236		04-013/21:13:14.8
19306	M1O	04-013/21:27:13.8		SPAWN, Engine = 65535, Parameters = 3, 00:29:00, 1	dpt	04-013/21:17:01.5
19307	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
19308	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		
19309	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
19310	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		
19311	M1O	04-013/21:28:17.2		NOTE: ENTER HGA KEEP OUT ZONE		
19312	M1O	04-013/21:28:17.2	63	NOTE: Loss Of X-Band Signal		
19313	M1O	04-013/21:30:52.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19314	M1O	04-013/21:34:32.2		NOTE: Enter Planetary Atmosphere 9236		04-013/21:24:19.9
19315	M1O	04-013/21:35:30.2		NOTE: North Pole Crossing 9236		04-013/21:25:17.9
19316	M1O	04-013/21:35:52.0	63	Range Modulation On: SUP=3.0dB		
19317	M1O	04-013/21:36:10.9		NOTE: Apoapsis 9236 -		04-013/21:25:58.6
19318	M1O	04-013/21:36:32.8		NOTE: Enter Earth Occultation 9236		04-013/21:26:20.5
19319	M1O	04-013/21:36:52.0	63	Begin Ranging Acquisition		
19320	M1O	04-013/21:40:00.0	14	Begin Pre-Cal		
19321	M1O	04-013/21:40:00.0	14	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
19322	M1O	04-013/21:40:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
19323	M1O	04-013/21:40:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
19324	M1O	04-013/21:40:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
19325	M1O	04-013/21:40:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
19326	M1O	04-013/21:40:00.0	14	Config: RCV: Parms:		
19327	M1O	04-013/21:40:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
19328	M1O	04-013/21:40:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
19329	M1O	04-013/21:40:00.0	14	Config: TXL		
19330	M1O	04-013/21:40:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
19331	M1O	04-013/21:40:00.0	14	Config: CMD		
19332	M1O	04-013/21:40:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
19333	M1O	04-013/21:42:17.3		NOTE: EXIT HGA KEEP OUT ZONE		
19334	M1O	04-013/21:50:44.3		NOTE: Exit Earth Occultation 9236		04-013/21:40:32.0
19335	M1O	04-013/21:50:44.3	63	Acquisition Of X-Band Signal		
19336	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		
19337	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		
19338	M1O	04-013/21:52:46.2		NOTE: Exit Planetary Atmosphere 9236		04-013/21:42:33.8
19339	M1O	04-013/21:54:27.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
19340	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
19341	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		
19342	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
19343	M1O	04-013/22:04:27.0	63	Range Modulation Off		
19344	M1O	04-013/22:05:29.4		NOTE: Descending Node Crossing 9237		04-013/21:55:17.0
19345	M1O	04-013/22:09:27.0	63	X-Band Transmitter Off		
19346	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
19347	M1O	04-013/22:18:30.5		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-013/22:08:18.1
19348	M1O	04-013/22:18:31.5		Forces a desaturation of the reaction wheels.	RW_DESAT	04-013/22:08:19.1
19349	M1O	04-013/22:21:40.4		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-013/22:11:28.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19350	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
19351	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
19352	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
19353	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
19354	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
19355	M1O	04-013/22:22:01.2		Queues in the retransmit buffer, by time range, designated packet from the specified APID.: 13, 2004-011T22:11:28.100, 2004-013T22:11:28.100	PCKTS_RE_TX_TIME	04-013/22:11:48.8
19356	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
19357	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		
19358	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
19359	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		
19360	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
19361	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
19362	M1O	04-013/22:29:19.2	63	D/L RF Warning: SC antenna change - expect signal level variation		
19363	M1O	04-013/22:29:20.2		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-013/22:19:07.8
19364	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		
19365	M1O	04-013/22:30:01.5		CALL, Engine = , Parameters = FALSE	park_hga	04-013/22:19:49.1
19366	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
19367	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
19368	M1O	04-013/22:30:03.5		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-013/22:19:51.1
19369	M1O	04-013/22:30:03.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-013/22:19:51.1
19370	M1O	04-013/22:30:03.5		NOTE: START HGA PARK		
19371	M1O	04-013/22:30:03.5	63	NOTE: Loss Of X-Band Signal		
19372	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
19373	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
19374	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
19375	M1O	04-013/22:34:48.0		NOTE: South Pole Crossing 9237		04-013/22:24:35.5
19376	M1O	04-013/22:35:07.8		NOTE: Periapsis 9237 ----------		04-013/22:24:55.3
19377	M1O	04-013/22:38:05.5		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-013/22:27:53.1
19378	M1O	04-013/22:38:05.5		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-013/22:27:53.1
19379	M1O	04-013/22:40:00.0	14	Begin Tracking		
19380	M1O	04-013/23:00:00.0	63	End Tracking		
19381	M1O	04-013/23:02:45.2		NOTE: Enter Solar Eclipse 9237		04-013/22:52:32.6
19382	M1O	04-013/23:04:05.9		NOTE: Ascending Node Crossing 9237		04-013/22:53:53.3
19383	M1O	04-013/23:08:05.5		GV: GV_DESAT_ACTIVE = 1		04-013/22:57:53.0
19384	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
19385	M1O	04-013/23:08:06.5		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-013/22:57:54.0
19386	M1O	04-013/23:15:00.0	63	End Post-Cal		
19387	M1O	04-013/23:18:05.6		GV: GV_DESAT_ACTIVE = 0		04-013/23:07:53.0
19388	M1O	04-013/23:18:06.6		Initializes the telemetry software object with the contents of the specified file.:	CHAN_APID_CONFIG	04-013/23:07:54.0

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				d:/tlm/tlm_rate_desat_stop.cfg		
19389	M1O	04-013/23:18:07.6		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-013/23:07:55.0
19390	M1O	04-013/23:18:08.6		CALL, Engine = , Parameters =	unpark_hga	04-013/23:07:56.0
19391	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
19392	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
19393	M1O	04-013/23:21:55.4		NOTE: Exit Solar Eclipse 9237		04-013/23:11:42.7
19394	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
19395	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
19396	M1O	04-013/23:26:05.6		SPAWN, Engine = 65535, Parameters = 00:28:12.534	cstr	04-013/23:15:53.0
19397	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
19398	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
19399	M1O	04-013/23:26:07.7		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-013/23:15:55.1
19400	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
19401	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
19402	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
19403	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
19404	M1O	04-013/23:26:40.6		NOTE: EXIT HGA PARK		
19405	M1O	04-013/23:26:40.6	14	Acquisition Of X-Band Signal		
19406	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		
19407	M1O	04-013/23:27:09.6		NOTE: ENTER HGA KEEP OUT ZONE		
19408	M1O	04-013/23:27:09.6	14	NOTE: Loss Of X-Band Signal		
19409	M1O	04-013/23:29:19.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19410	M1O	04-013/23:33:15.6		NOTE: Enter Planetary Atmosphere 9237		04-013/23:23:03.0
19411	M1O	04-013/23:34:05.3		NOTE: North Pole Crossing 9237		04-013/23:23:52.6
19412	M1O	04-013/23:34:19.0	14	Range Modulation On: SUP=3.0dB		
19413	M1O	04-013/23:34:48.5		NOTE: Apoapsis 9237 -		04-013/23:24:35.8
19414	M1O	04-013/23:35:18.4		NOTE: Enter Earth Occultation 9237		04-013/23:25:05.7
19415	M1O	04-013/23:35:19.0	14	Begin Ranging Acquisition		
19416	M1O	04-013/23:40:49.6		NOTE: EXIT HGA KEEP OUT ZONE		
19417	M1O	04-013/23:49:11.5		NOTE: Exit Earth Occultation 9237		04-013/23:38:58.8
19418	M1O	04-013/23:49:11.5	14	Acquisition Of X-Band Signal		
19419	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		
19420	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		
19421	M1O	04-013/23:51:15.6		NOTE: Exit Planetary Atmosphere 9237		04-013/23:41:02.8
19422	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
19423	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
19424	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		
19425	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
19426	M1O	04-014/00:00:00.0		Light Time: OWLT = 10:12, RTLT = 20:25		
19427	M1O	04-014/00:04:05.8		NOTE: Descending Node Crossing 9238		04-013/23:53:53.1
19428	M1O	04-014/00:33:24.4		NOTE: South Pole Crossing 9238		04-014/00:23:11.5
19429	M1O	04-014/00:33:49.1		NOTE: Periapsis 9238 ----------		04-014/00:23:36.3
19430	M1O	04-014/00:50:19.0	14	NOTE: X-Band Transmitter Off in 15 minutes		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19431	M1O	04-014/01:00:19.0	14	Range Modulation Off		
19432	M1O	04-014/01:01:20.6		NOTE: Enter Solar Eclipse 9238		04-014/00:51:07.6
19433	M1O	04-014/01:02:41.9		NOTE: Ascending Node Crossing 9238		04-014/00:52:28.9
19434	M1O	04-014/01:05:19.0	14	X-Band Transmitter Off		
19435	M1O	04-014/01:20:28.5		NOTE: Exit Solar Eclipse 9238		04-014/01:10:15.5
19436	M1O	04-014/01:24:42.6		SPAWN, Engine = 65535, Parameters = 3, 00:28:32, 1	dpt	04-014/01:14:29.6
19437	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
19438	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		
19439	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
19440	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		
19441	M1O	04-014/01:25:46.0		NOTE: ENTER HGA KEEP OUT ZONE		
19442	M1O	04-014/01:25:46.0	14	NOTE: Loss Of X-Band Signal		
19443	M1O	04-014/01:27:51.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19444	M1O	04-014/01:31:55.4		NOTE: Enter Planetary Atmosphere 9238		04-014/01:21:42.4
19445	M1O	04-014/01:32:41.8		NOTE: North Pole Crossing 9238		04-014/01:22:28.7
19446	M1O	04-014/01:32:51.0	14	Range Modulation On: SUP=3.0dB		
19447	M1O	04-014/01:33:18.0		NOTE: Apoapsis 9238 -		04-014/01:23:04.9
19448	M1O	04-014/01:33:51.0	14	Begin Ranging Acquisition		
19449	M1O	04-014/01:33:59.0		NOTE: Enter Earth Occultation 9238		04-014/01:23:45.9
19450	M1O	04-014/01:39:26.0		NOTE: EXIT HGA KEEP OUT ZONE		
19451	M1O	04-014/01:47:45.4		NOTE: Exit Earth Occultation 9238		04-014/01:37:32.3
19452	M1O	04-014/01:47:45.4	14	Acquisition Of X-Band Signal		
19453	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		
19454	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		
19455	M1O	04-014/01:49:50.2		NOTE: Exit Planetary Atmosphere 9238		04-014/01:39:37.1
19456	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
19457	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		
19458	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
19459	M1O	04-014/02:02:42.8		NOTE: Descending Node Crossing 9239		04-014/01:52:29.7
19460	M1O	04-014/02:32:01.3		NOTE: South Pole Crossing 9239		04-014/02:21:48.1
19461	M1O	04-014/02:32:21.8		NOTE: Periapsis 9239 ----------		04-014/02:22:08.5
19462	M1O	04-014/02:48:55.0	14	NOTE: X-Band Transmitter Off in 15 minutes		
19463	M1O	04-014/02:58:55.0	14	Range Modulation Off		
19464	M1O	04-014/02:59:57.3		NOTE: Enter Solar Eclipse 9239		04-014/02:49:43.9
19465	M1O	04-014/03:01:18.6		NOTE: Ascending Node Crossing 9239		04-014/02:51:05.3
19466	M1O	04-014/03:03:55.0	14	X-Band Transmitter Off		
19467	M1O	04-014/03:10:00.0	43	Begin Pre-Cal		
19468	M1O	04-014/03:10:00.0	43	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
19469	M1O	04-014/03:10:00.0	43	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
19470	M1O	04-014/03:10:00.0	43	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
19471	M1O	04-014/03:10:00.0	43	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
19472	M1O	04-014/03:10:00.0	43	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
19473	M1O	04-014/03:10:00.0	43	Config: RCV: Parms:		
19474	M1O	04-014/03:10:00.0	43	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
19475	M1O	04-014/03:10:00.0	43	Config: TGC: BAND=X, SR=221200.000000		
19476	M1O	04-014/03:10:00.0	43	Config: UWV: AMP=XHEMT, MODE=LISTEN ONLY, POL_UL=RCP, POL_DL=RCP		
19477	M1O	04-014/03:19:05.6		NOTE: Exit Solar Eclipse 9239		04-014/03:08:52.2

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19478	M1O	04-014/03:23:19.0		SPAWN, Engine = 65535, Parameters = 3, 00:28:35, 1	dpt	04-014/03:13:05.6
19479	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
19480	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		
19481	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
19482	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		
19483	M1O	04-014/03:24:22.4		NOTE: ENTER HGA KEEP OUT ZONE		
19484	M1O	04-014/03:24:22.4	14	NOTE: Loss Of X-Band Signal		
19485	M1O	04-014/03:26:30.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19486	M1O	04-014/03:30:28.9		NOTE: Enter Planetary Atmosphere 9239		04-014/03:20:15.5
19487	M1O	04-014/03:31:18.0		NOTE: North Pole Crossing 9239		04-014/03:21:04.6
19488	M1O	04-014/03:31:30.0	14	Range Modulation On: SUP=3.0dB		
19489	M1O	04-014/03:31:38.0		NOTE: Apoapsis 9239 -		04-014/03:21:24.6
19490	M1O	04-014/03:32:30.0	14	Begin Ranging Acquisition		
19491	M1O	04-014/03:32:31.7		NOTE: Enter Earth Occultation 9239		04-014/03:22:18.3
19492	M1O	04-014/03:38:02.4		NOTE: EXIT HGA KEEP OUT ZONE		
19493	M1O	04-014/03:46:24.2		NOTE: Exit Earth Occultation 9239		04-014/03:36:10.8
19494	M1O	04-014/03:46:24.2	14	Acquisition Of X-Band Signal		
19495	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		
19496	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		
19497	M1O	04-014/03:48:28.3		NOTE: Exit Planetary Atmosphere 9239		04-014/03:38:14.8
19498	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
19499	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		
19500	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
19501	M1O	04-014/03:55:00.0	26	Begin Pre-Cal		
19502	M1O	04-014/03:55:00.0	26	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
19503	M1O	04-014/03:55:00.0	26	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
19504	M1O	04-014/03:55:00.0	26	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
19505	M1O	04-014/03:55:00.0	26	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
19506	M1O	04-014/03:55:00.0	26	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
19507	M1O	04-014/03:55:00.0	26	Config: RCV: Parms:		
19508	M1O	04-014/03:55:00.0	26	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
19509	M1O	04-014/03:55:00.0	26	Config: TGC: BAND=X, SR=221200.000000		
19510	M1O	04-014/03:55:00.0	26	Config: TXL		
19511	M1O	04-014/03:55:00.0	26	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
19512	M1O	04-014/03:55:00.0	26	Config: CMD		
19513	M1O	04-014/03:55:00.0	26	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
19514	M1O	04-014/04:01:18.3		NOTE: Descending Node Crossing 9240		04-014/03:51:04.8
19515	M1O	04-014/04:25:00.0	43	Begin Tracking		
19516	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		
19517	M1O	04-014/04:30:36.8		NOTE: South Pole Crossing 9240		04-014/04:20:23.2
19518	M1O	04-014/04:30:56.7		NOTE: Periapsis 9240 ----------		04-014/04:20:43.1
19519	M1O	04-014/04:39:32.6	14	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
19520	M1O	04-014/04:40:00.0	26	Begin Tracking		
19521	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		
19522	M1O	04-014/04:40:00.0	14	NOTE: X-Band Transmitter Off in 15 minutes		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19523	M1O	04-014/04:50:00.0	14	Range Modulation Off		
19524	M1O	04-014/04:55:00.0	14	X-Band Transmitter Off		
19525	M1O	04-014/04:58:32.6		NOTE: Enter Solar Eclipse 9240		04-014/04:48:18.9
19526	M1O	04-014/04:59:54.2		NOTE: Ascending Node Crossing 9240		04-014/04:49:40.5
19527	M1O	04-014/05:00:00.0	14	End Tracking		
19528	M1O	04-014/05:14:24.4		SPAWN, Engine = 65535, Parameters = 3, 00:36:08, 1	dpt	04-014/05:04:10.6
19529	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
19530	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		
19531	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		
19532	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
19533	M1O	04-014/05:15:00.0	14	End Post-Cal		
19534	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		
19535	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, ANT=HGA		
19536	M1O	04-014/05:17:44.1		NOTE: Exit Solar Eclipse 9240		04-014/05:07:30.4
19537	M1O	04-014/05:22:58.7		NOTE: ENTER HGA KEEP OUT ZONE		
19538	M1O	04-014/05:22:58.7	43	NOTE: Loss Of X-Band Signal		
19539	M1O	04-014/05:22:58.7	26	NOTE: Loss Of X-Band Signal		
19540	M1O	04-014/05:25:08.0	26	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19541	M1O	04-014/05:28:56.7		NOTE: Enter Planetary Atmosphere 9240		04-014/05:18:42.9
19542	M1O	04-014/05:29:52.4		NOTE: North Pole Crossing 9240		04-014/05:19:38.6
19543	M1O	04-014/05:30:08.0	26	Range Modulation On: SUP=3.0dB		
19544	M1O	04-014/05:30:09.0		NOTE: Apoapsis 9240 -		04-014/05:19:55.3
19545	M1O	04-014/05:30:58.0		NOTE: Enter Earth Occultation 9240		04-014/05:20:44.2
19546	M1O	04-014/05:31:08.0	26	Begin Ranging Acquisition		
19547	M1O	04-014/05:36:38.8		NOTE: EXIT HGA KEEP OUT ZONE		
19548	M1O	04-014/05:45:03.3		NOTE: Exit Earth Occultation 9240		04-014/05:34:49.5
19549	M1O	04-014/05:45:03.3	43	Acquisition Of X-Band Signal		
19550	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		
19551	M1O	04-014/05:45:03.3	26	Acquisition Of X-Band Signal		
19552	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		
19553	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		
19554	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		
19555	M1O	04-014/05:47:05.9		NOTE: Exit Planetary Atmosphere 9240		04-014/05:36:52.1
19556	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
19557	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		
19558	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		
19559	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
19560	M1O	04-014/05:59:51.3		NOTE: Descending Node Crossing 9241		04-014/05:49:37.5
19561	M1O	04-014/06:20:00.0	26	NOTE: X-Band Transmitter Off in 15 minutes		
19562	M1O	04-014/06:29:09.5		NOTE: South Pole Crossing 9241		04-014/06:18:55.5
19563	M1O	04-014/06:29:30.6		NOTE: Periapsis 9241 ----------		04-014/06:19:16.6

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19564	M1O	04-014/06:30:00.0	26	Range Modulation Off		
19565	M1O	04-014/06:35:00.0	26	X-Band Transmitter Off		
19566	M1O	04-014/06:39:31.9	26	NOTE: Track is ending in one RTLT. No command confirmation receivable hereafter.		
19567	M1O	04-014/06:47:28.0	26	NOTE: Below Uplink Interlock Limit		
19568	M1O	04-014/06:54:25.8		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-014/06:44:11.7
19569	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
19570	M1O	04-014/06:54:27.9	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		
19571	M1O	04-014/06:54:27.9	26	D/L Change: X/08, 2-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19572	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
19573	M1O	04-014/06:55:28.0	43	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19574	M1O	04-014/06:55:28.0	26	Acquire D/L: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19575	M1O	04-014/06:57:04.3		NOTE: Enter Solar Eclipse 9241		04-014/06:46:50.2
19576	M1O	04-014/06:58:26.5		NOTE: Ascending Node Crossing 9241		04-014/06:48:12.5
19577	M1O	04-014/07:00:00.0	26	End Tracking		
19578	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
19579	M1O	04-014/07:00:27.9	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19580	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
19581	M1O	04-014/07:10:14.1		SPAWN, Engine = 65535, Parameters =	scdiag	04-014/07:00:00.0
19582	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
19583	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
19584	M1O	04-014/07:11:17.1		SPAWN, Engine = 65535, Parameters = WEEKLY	fsw_diag	04-014/07:01:03.0
19585	M1O	04-014/07:11:17.3		NOTE: Start Block fsw_diag		04-014/07:01:03.2
19586	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]	FSW_VX_CMD	04-014/07:01:04.2
19587	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
19588	M1O	04-014/07:11:30.3		NOTE: End Block fsw_diag.mod		04-014/07:01:16.2
19589	M1O	04-014/07:12:30.1		SPAWN, Engine = 65535, Parameters = DAILY	fsw_diag	04-014/07:02:16.0
19590	M1O	04-014/07:12:30.3		NOTE: Start Block fsw_diag		04-014/07:02:16.2
19591	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
19592	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
19593	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
19594	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
19595	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
19596	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
19597	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
19598	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
19599	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
19600	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
19601	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19602	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
19603	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
19604	M1O	04-014/07:15:00.0	26	End Post-Cal		
19605	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
19606	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
19607	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
19608	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
19609	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
19610	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
19611	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
19612	M1O	04-014/07:15:41.3		Executes the designated function for CPDU statistics.: RESET, ALL	STATS_CPDU	04-014/07:05:27.2
19613	M1O	04-014/07:15:52.3		NOTE: End Block fsw_diag.mod		04-014/07:05:38.2
19614	M1O	04-014/07:16:18.4		NOTE: Exit Solar Eclipse 9241		04-014/07:06:04.3
19615	M1O	04-014/07:20:29.1		SPAWN, Engine = 65535, Parameters = 3, 00:28:05.519, 1	dpt	04-014/07:10:15.0
19616	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
19617	M1O	04-014/07:20:31.2	43	D/L Change: X/08, 1-Way, BW=3, BR=110600.0, FL=10112, SC=375KHZ, MOD=ON, MI=71.7, ANT=HGA		
19618	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
19619	M1O	04-014/07:21:31.1		NOTE: ENTER HGA KEEP OUT ZONE		
19620	M1O	04-014/07:21:31.1	43	NOTE: Loss Of X-Band Signal		
19621	M1O	04-014/07:27:25.0		NOTE: Enter Planetary Atmosphere 9241		04-014/07:17:10.9
19622	M1O	04-014/07:28:24.2		NOTE: North Pole Crossing 9241		04-014/07:18:10.1
19623	M1O	04-014/07:28:51.7		NOTE: Apoapsis 9241 -		04-014/07:18:37.5
19624	M1O	04-014/07:29:25.8		NOTE: Enter Earth Occultation 9241		04-014/07:19:11.6
19625	M1O	04-014/07:35:11.1		NOTE: EXIT HGA KEEP OUT ZONE		
19626	M1O	04-014/07:43:36.7		NOTE: Exit Earth Occultation 9241		04-014/07:33:22.5
19627	M1O	04-014/07:43:36.7	43	Acquisition Of X-Band Signal		
19628	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, ANT=HGA		
19629	M1O	04-014/07:45:38.7		NOTE: Exit Planetary Atmosphere 9241		04-014/07:35:24.5
19630	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
19631	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		
19632	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
19633	M1O	04-014/07:58:22.8		NOTE: Descending Node Crossing 9242		04-014/07:48:08.5
19634	M1O	04-014/08:27:40.0		NOTE: South Pole Crossing 9242		04-014/08:17:25.6
19635	M1O	04-014/08:27:52.5		NOTE: Periapsis 9242 ----------		04-014/08:17:38.1
19636	M1O	04-014/08:55:35.0		NOTE: Enter Solar Eclipse 9242		04-014/08:45:20.5
19637	M1O	04-014/08:56:56.6		NOTE: Ascending Node Crossing 9242		04-014/08:46:42.2
19638	M1O	04-014/09:14:44.8		NOTE: Exit Solar Eclipse 9242		04-014/09:04:30.2
19639	M1O	04-014/09:19:00.5		SPAWN, Engine = 65535, Parameters = 3, 00:28:00.666, 1	dpt	04-014/09:08:46.0
19640	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
19641	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		
19642	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
19643	M1O	04-014/09:20:02.5		NOTE: ENTER HGA KEEP OUT ZONE		
19644	M1O	04-014/09:20:02.5	43	NOTE: Loss Of X-Band Signal		
19645	M1O	04-014/09:26:01.4		NOTE: Enter Planetary Atmosphere 9242		04-014/09:15:46.9
19646	M1O	04-014/09:26:55.4		NOTE: North Pole Crossing 9242		04-014/09:16:40.9
19647	M1O	04-014/09:27:09.0		NOTE: Apoapsis 9242 -		04-014/09:16:54.5
19648	M1O	04-014/09:28:03.5		NOTE: Enter Earth Occultation 9242		04-014/09:17:48.9

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19649	M1O	04-014/09:33:42.5		NOTE: EXIT HGA KEEP OUT ZONE		
19650	M1O	04-014/09:42:03.2		NOTE: Exit Earth Occultation 9242		04-014/09:31:48.6
19651	M1O	04-014/09:42:03.2	43	Acquisition Of X-Band Signal		
19652	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		
19653	M1O	04-014/09:44:06.6		NOTE: Exit Planetary Atmosphere 9242		04-014/09:33:52.0
19654	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
19655	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		
19656	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
19657	M1O	04-014/09:56:54.8		NOTE: Descending Node Crossing 9243		04-014/09:46:40.2
19658	M1O	04-014/10:26:04.6		NOTE: Periapsis 9243 ----------		04-014/10:15:49.9
19659	M1O	04-014/10:26:12.2		NOTE: South Pole Crossing 9243		04-014/10:15:57.5
19660	M1O	04-014/10:35:00.0	55	Begin Pre-Cal		
19661	M1O	04-014/10:35:00.0	55	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
19662	M1O	04-014/10:35:00.0	55	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
19663	M1O	04-014/10:35:00.0	55	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
19664	M1O	04-014/10:35:00.0	55	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
19665	M1O	04-014/10:35:00.0	55	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
19666	M1O	04-014/10:35:00.0	55	Config: RCV: Parms:		
19667	M1O	04-014/10:35:00.0	55	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
19668	M1O	04-014/10:35:00.0	55	Config: TGC: BAND=X, SR=221200.000000		
19669	M1O	04-014/10:35:00.0	55	Config: TXL		
19670	M1O	04-014/10:35:00.0	55	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
19671	M1O	04-014/10:35:00.0	55	Config: CMD		
19672	M1O	04-014/10:35:00.0	55	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
19673	M1O	04-014/10:54:10.8		NOTE: Enter Solar Eclipse 9243		04-014/10:43:56.0
19674	M1O	04-014/10:55:29.8		NOTE: Ascending Node Crossing 9243		04-014/10:45:15.0
19675	M1O	04-014/11:13:12.0		NOTE: Exit Solar Eclipse 9243		04-014/11:02:57.2
19676	M1O	04-014/11:17:32.8		SPAWN, Engine = 65535, Parameters = 3, 00:27:55.559, 1	dpt	04-014/11:07:18.0
19677	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
19678	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		
19679	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
19680	M1O	04-014/11:18:34.8		NOTE: ENTER HGA KEEP OUT ZONE		
19681	M1O	04-014/11:18:34.8	43	NOTE: Loss Of X-Band Signal		
19682	M1O	04-014/11:24:43.0		NOTE: Enter Planetary Atmosphere 9243		04-014/11:14:28.1
19683	M1O	04-014/11:25:27.5		NOTE: Apoapsis 9243 -		04-014/11:15:12.6
19684	M1O	04-014/11:25:29.5		NOTE: North Pole Crossing 9243		04-014/11:15:14.6
19685	M1O	04-014/11:26:46.9		NOTE: Enter Earth Occultation 9243		04-014/11:16:32.0
19686	M1O	04-014/11:31:54.9		NOTE: EXIT HGA KEEP OUT ZONE		
19687	M1O	04-014/11:40:30.5		NOTE: Exit Earth Occultation 9243		04-014/11:30:15.5
19688	M1O	04-014/11:40:30.5	43	Acquisition Of X-Band Signal		
19689	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		
19690	M1O	04-014/11:42:35.8		NOTE: Exit Planetary Atmosphere 9243		04-014/11:32:20.8
19691	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
19692	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		
19693	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
19694	M1O	04-014/11:55:29.4		NOTE: Descending Node Crossing 9244		04-014/11:45:14.4

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19695	M1O	04-014/12:05:00.0	55	Begin Tracking		
19696	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		
19697	M1O	04-014/12:16:31.0	55	NOTE: Above Uplink Interlock Limit		
19698	M1O	04-014/12:20:00.0	55	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19699	M1O	04-014/12:23:13.0	43	NOTE: Below Uplink Interlock Limit		
19700	M1O	04-014/12:23:58.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-014/12:13:42.9
19701	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
19702	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		
19703	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		
19704	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
19705	M1O	04-014/12:24:48.2		NOTE: South Pole Crossing 9244		04-014/12:14:33.1
19706	M1O	04-014/12:24:52.7		NOTE: Periapsis 9244 ----------		04-014/12:14:37.6
19707	M1O	04-014/12:25:00.0	43	End Tracking		
19708	M1O	04-014/12:25:00.0	55	Range Modulation On: SUP=3.0dB		
19709	M1O	04-014/12:25:00.0		NOTE: Changing to 34M (BWG) downlink rate: 39816_BPS		04-014/12:14:44.9
19710	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
19711	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		
19712	M1O	04-014/12:26:00.0	55	Begin Ranging Acquisition		
19713	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
19714	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		
19715	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
19716	M1O	04-014/12:39:28.0		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-014/12:29:12.9
19717	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
19718	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		
19719	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
19720	M1O	04-014/12:40:00.0	43	End Post-Cal		
19721	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		
19722	M1O	04-014/12:41:58.0	55	NOTE: X-Band Transmitter Off in 15 minutes		
19723	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
19724	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		
19725	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
19726	M1O	04-014/12:51:58.0	55	Range Modulation Off		
19727	M1O	04-014/12:52:48.0		NOTE: Enter Solar Eclipse 9244		04-014/12:42:32.8
19728	M1O	04-014/12:54:06.7		NOTE: Ascending Node Crossing 9244		04-014/12:43:51.5
19729	M1O	04-014/12:56:58.0	55	X-Band Transmitter Off		
19730	M1O	04-014/13:09:18.2		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-014/12:59:03.0
19731	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
19732	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
19733	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
19734	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19735	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
19736	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
19737	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
19738	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		
19739	M1O	04-014/13:11:47.0		NOTE: Exit Solar Eclipse 9244		04-014/13:01:31.8
19740	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
19741	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		
19742	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
19743	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
19744	M1O	04-014/13:16:57.0	55	D/L RF Warning: SC antenna change - expect signal level variation		
19745	M1O	04-014/13:16:58.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-014/13:06:42.8
19746	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		
19747	M1O	04-014/13:17:29.2		NOTE: ENTER HGA KEEP OUT ZONE		
19748	M1O	04-014/13:17:29.2	55	NOTE: Loss Of X-Band Signal		
19749	M1O	04-014/13:23:21.4		NOTE: Enter Planetary Atmosphere 9244		04-014/13:13:06.1
19750	M1O	04-014/13:24:05.9		NOTE: North Pole Crossing 9244		04-014/13:13:50.6
19751	M1O	04-014/13:24:24.5		NOTE: Apoapsis 9244 -		04-014/13:14:09.2
19752	M1O	04-014/13:25:26.2		NOTE: Enter Earth Occultation 9244		04-014/13:15:10.9
19753	M1O	04-014/13:30:29.3		NOTE: EXIT HGA KEEP OUT ZONE		
19754	M1O	04-014/13:39:03.0		NOTE: Exit Earth Occultation 9244		04-014/13:28:47.7
19755	M1O	04-014/13:39:03.0	55	Acquisition Of X-Band Signal		
19756	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		
19757	M1O	04-014/13:41:09.0		NOTE: Exit Planetary Atmosphere 9244		04-014/13:30:53.7
19758	M1O	04-014/13:45:00.0	55	End Tracking		
19759	M1O	04-014/13:45:00.0	55	End Post-Cal		
19760	M1O	04-014/13:54:05.8		NOTE: Descending Node Crossing 9245		04-014/13:43:50.5
19761	M1O	04-014/14:23:25.3		NOTE: South Pole Crossing 9245		04-014/14:13:09.9
19762	M1O	04-014/14:23:54.0		NOTE: Periapsis 9245 ----------		04-014/14:13:38.5
19763	M1O	04-014/14:51:23.1		NOTE: Enter Solar Eclipse 9245		04-014/14:41:07.6
19764	M1O	04-014/14:52:43.7		NOTE: Ascending Node Crossing 9245		04-014/14:42:28.1
19765	M1O	04-014/15:00:00.0	63	Begin Pre-Cal		
19766	M1O	04-014/15:00:00.0	63	At BOT: S/C Antenna Status: U/L=HGA, D/L=HGA		
19767	M1O	04-014/15:00:00.0	63	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
19768	M1O	04-014/15:00:00.0	63	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
19769	M1O	04-014/15:00:00.0	63	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
19770	M1O	04-014/15:00:00.0	63	At BOT: S/C Tlm Mode: BR=39816.0, FL=10112, SC=375KHZ, MI=71.7		
19771	M1O	04-014/15:00:00.0	63	Config: RCV: Parms:		
19772	M1O	04-014/15:00:00.0	63	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
19773	M1O	04-014/15:00:00.0	63	Config: TGC: BAND=X, SR=79632.000000		
19774	M1O	04-014/15:00:00.0	63	Config: TXL		
19775	M1O	04-014/15:00:00.0	63	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
19776	M1O	04-014/15:00:00.0	63	Config: CMD		
19777	M1O	04-014/15:00:00.0	63	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
19778	M1O	04-014/15:10:24.2		NOTE: Exit Solar Eclipse 9245		04-014/15:00:08.6
19779	M1O	04-014/15:16:05.6		NOTE: ENTER HGA KEEP OUT ZONE		
19780	M1O	04-014/15:21:57.5		NOTE: Enter Planetary Atmosphere 9245		04-014/15:11:41.9
19781	M1O	04-014/15:22:42.5		NOTE: North Pole Crossing 9245		04-014/15:12:26.9
19782	M1O	04-014/15:23:27.8		NOTE: Apoapsis 9245 -		04-014/15:13:12.2
19783	M1O	04-014/15:24:02.5		NOTE: Enter Earth Occultation 9245		04-014/15:13:46.8

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19784	M1O	04-014/15:29:05.6		NOTE: EXIT HGA KEEP OUT ZONE		
19785	M1O	04-014/15:37:38.1		NOTE: Exit Earth Occultation 9245		04-014/15:27:22.4
19786	M1O	04-014/15:39:44.3		NOTE: Exit Planetary Atmosphere 9245		04-014/15:29:28.6
19787	M1O	04-014/15:52:42.7		NOTE: Descending Node Crossing 9246		04-014/15:42:26.9
19788	M1O	04-014/15:59:35.7		SPAWN, Engine = 65535, Parameters = 00:05:00	cstr	04-014/15:49:19.9
19789	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
19790	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
19791	M1O	04-014/15:59:37.8		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-014/15:49:22.0
19792	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
19793	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
19794	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
19795	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
19796	M1O	04-014/16:00:00.0	63	Begin Tracking		
19797	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		
19798	M1O	04-014/16:00:00.7		NOTE: Changing to 70M downlink rate: 110600_BPS		04-014/15:49:44.9
19799	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
19800	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		
19801	M1O	04-014/16:01:00.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19802	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
19803	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
19804	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		
19805	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
19806	M1O	04-014/16:06:00.0	63	Range Modulation On: SUP=3.0dB		
19807	M1O	04-014/16:07:00.0	63	Begin Ranging Acquisition		
19808	M1O	04-014/16:20:28.7		SPAWN, Engine = 65535, Parameters = 3, 00:06:00, 1	dpt	04-014/16:10:12.9
19809	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
19810	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		
19811	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
19812	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		
19813	M1O	04-014/16:22:01.6		NOTE: South Pole Crossing 9246		04-014/16:11:45.8
19814	M1O	04-014/16:22:43.8		NOTE: Periapsis 9246 ----------		04-014/16:12:28.0
19815	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
19816	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		
19817	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
19818	M1O	04-014/16:39:11.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
19819	M1O	04-014/16:49:11.0	63	Range Modulation Off		
19820	M1O	04-014/16:49:56.0		NOTE: Enter Solar Eclipse 9246		04-014/16:39:40.1
19821	M1O	04-014/16:51:18.9		NOTE: Ascending Node Crossing 9246		04-014/16:41:03.0
19822	M1O	04-014/16:54:11.0	63	X-Band Transmitter Off		
19823	M1O	04-014/17:09:01.3		NOTE: Exit Solar Eclipse 9246		04-014/16:58:45.3
19824	M1O	04-014/17:13:39.9		SPAWN, Engine = 65535, Parameters = 3, 00:28:05, 1	dpt	04-014/17:03:23.9
19825	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

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19826	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		
19827	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
19828	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		
19829	M1O	04-014/17:14:43.0		NOTE: ENTER HGA KEEP OUT ZONE		
19830	M1O	04-014/17:14:43.0	63	NOTE: Loss Of X-Band Signal		
19831	M1O	04-014/17:16:16.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19832	M1O	04-014/17:20:29.3		NOTE: Enter Planetary Atmosphere 9246		04-014/17:10:13.3
19833	M1O	04-014/17:21:16.0	63	Range Modulation On: SUP=3.0dB		
19834	M1O	04-014/17:21:17.6		NOTE: North Pole Crossing 9246		04-014/17:11:01.6
19835	M1O	04-014/17:22:05.0		NOTE: Apoapsis 9246 -		04-014/17:11:49.0
19836	M1O	04-014/17:22:16.0	63	Begin Ranging Acquisition		
19837	M1O	04-014/17:22:33.5		NOTE: Enter Earth Occultation 9246		04-014/17:12:17.5
19838	M1O	04-014/17:27:43.0		NOTE: EXIT HGA KEEP OUT ZONE		
19839	M1O	04-014/17:36:15.8		NOTE: Exit Earth Occultation 9246		04-014/17:25:59.7
19840	M1O	04-014/17:36:15.8	63	Acquisition Of X-Band Signal		
19841	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		
19842	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		
19843	M1O	04-014/17:38:21.3		NOTE: Exit Planetary Atmosphere 9246		04-014/17:28:05.2
19844	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
19845	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		
19846	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
19847	M1O	04-014/17:51:17.6		NOTE: Descending Node Crossing 9247		04-014/17:41:01.5
19848	M1O	04-014/18:20:35.3		NOTE: South Pole Crossing 9247		04-014/18:10:19.0
19849	M1O	04-014/18:21:06.7		NOTE: Periapsis 9247 ----------		04-014/18:10:50.4
19850	M1O	04-014/18:37:43.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
19851	M1O	04-014/18:47:43.0	63	Range Modulation Off		
19852	M1O	04-014/18:48:27.7		NOTE: Enter Solar Eclipse 9247		04-014/18:38:11.4
19853	M1O	04-014/18:49:51.6		NOTE: Ascending Node Crossing 9247		04-014/18:39:35.3
19854	M1O	04-014/18:52:43.0	63	X-Band Transmitter Off		
19855	M1O	04-014/19:07:35.9		NOTE: Exit Solar Eclipse 9247		04-014/18:57:19.5
19856	M1O	04-014/19:12:13.4		SPAWN, Engine = 65535, Parameters = 3, 00:28:08, 1	dpt	04-014/19:01:57.0
19857	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
19858	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		
19859	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
19860	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, ANT=HGA		
19861	M1O	04-014/19:13:17.3		NOTE: ENTER HGA KEEP OUT ZONE		
19862	M1O	04-014/19:13:17.3	63	NOTE: Loss Of X-Band Signal		
19863	M1O	04-014/19:14:51.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19864	M1O	04-014/19:18:57.4		NOTE: Enter Planetary Atmosphere 9247		04-014/19:08:41.0
19865	M1O	04-014/19:19:50.0		NOTE: North Pole Crossing 9247		04-014/19:09:33.6
19866	M1O	04-014/19:19:51.0	63	Range Modulation On: SUP=3.0dB		
19867	M1O	04-014/19:20:18.1		NOTE: Apoapsis 9247 -		04-014/19:10:01.7
19868	M1O	04-014/19:20:51.0	63	Begin Ranging Acquisition		
19869	M1O	04-014/19:21:00.6		NOTE: Enter Earth Occultation 9247		04-014/19:10:44.2
19870	M1O	04-014/19:26:17.4		NOTE: EXIT HGA KEEP OUT ZONE		

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19871	M1O	04-014/19:34:51.8		NOTE: Exit Earth Occultation 9247		04-014/19:24:35.3
19872	M1O	04-014/19:34:51.8	63	Acquisition Of X-Band Signal		
19873	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		
19874	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		
19875	M1O	04-014/19:36:56.3		NOTE: Exit Planetary Atmosphere 9247		04-014/19:26:39.8
19876	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
19877	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		
19878	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
19879	M1O	04-014/19:49:49.3		NOTE: Descending Node Crossing 9248		04-014/19:39:32.8
19880	M1O	04-014/20:19:06.5		NOTE: South Pole Crossing 9248		04-014/20:08:49.9
19881	M1O	04-014/20:19:19.7		NOTE: Periapsis 9248 ----------		04-014/20:09:03.1
19882	M1O	04-014/20:35:54.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
19883	M1O	04-014/20:45:54.0	63	Range Modulation Off		
19884	M1O	04-014/20:47:00.3		NOTE: Enter Solar Eclipse 9248		04-014/20:36:43.6
19885	M1O	04-014/20:48:23.2		NOTE: Ascending Node Crossing 9248		04-014/20:38:06.5
19886	M1O	04-014/20:50:54.0	63	X-Band Transmitter Off		
19887	M1O	04-014/21:06:06.6		NOTE: Exit Solar Eclipse 9248		04-014/20:55:49.8
19888	M1O	04-014/21:10:24.8		SPAWN, Engine = 65535, Parameters = 3, 00:28:25, 1	dpt	04-014/21:00:08.0
19889	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
19890	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		
19891	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
19892	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		
19893	M1O	04-014/21:11:28.7		NOTE: ENTER HGA KEEP OUT ZONE		
19894	M1O	04-014/21:11:28.7	63	NOTE: Loss Of X-Band Signal		
19895	M1O	04-014/21:13:19.0	63	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19896	M1O	04-014/21:17:29.1		NOTE: Enter Planetary Atmosphere 9248		04-014/21:07:12.3
19897	M1O	04-014/21:18:19.0	63	Range Modulation On: SUP=3.0dB		
19898	M1O	04-014/21:18:21.2		NOTE: North Pole Crossing 9248		04-014/21:08:04.4
19899	M1O	04-014/21:18:47.3		NOTE: Apoapsis 9248 -		04-014/21:08:30.5
19900	M1O	04-014/21:19:19.0	63	Begin Ranging Acquisition		
19901	M1O	04-014/21:19:32.8		NOTE: Enter Earth Occultation 9248		04-014/21:09:16.0
19902	M1O	04-014/21:24:48.8		NOTE: EXIT HGA KEEP OUT ZONE		
19903	M1O	04-014/21:33:20.7		NOTE: Exit Earth Occultation 9248		04-014/21:23:03.9
19904	M1O	04-014/21:33:20.7	63	Acquisition Of X-Band Signal		
19905	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		
19906	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		
19907	M1O	04-014/21:35:25.6		NOTE: Exit Planetary Atmosphere 9248		04-014/21:25:08.8
19908	M1O	04-014/21:37:13.0	63	NOTE: X-Band Transmitter Off in 15 minutes		
19909	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
19910	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		
19911	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
19912	M1O	04-014/21:47:13.0	63	Range Modulation Off		
19913	M1O	04-014/21:48:20.0		NOTE: Descending Node Crossing 9249		04-014/21:38:03.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19914	M1O	04-014/21:52:13.0	63	X-Band Transmitter Off		
19915	M1O	04-014/22:00:00.0	14	Begin Pre-Cal		
19916	M1O	04-014/22:00:00.0	14	At BOT: S/C Antenna Status: U/L=LGA, D/L=HGA		
19917	M1O	04-014/22:00:00.0	14	At BOT: S/C Receiver Status: RCVR1=ON, TWNC=OFF, RCVR2=OFF, TWNC=OFF		
19918	M1O	04-014/22:00:00.0	14	At BOT: S/C Ranging Mode: RNG=ON, DOR=OFF		
19919	M1O	04-014/22:00:00.0	14	At BOT: S/C Transmitter Status: PWR=ON, EXC=1, PWR=OFF, EXC=2		
19920	M1O	04-014/22:00:00.0	14	At BOT: S/C Tlm Mode: BR=110600.0, FL=10112, SC=375KHZ, MI=71.7		
19921	M1O	04-014/22:00:00.0	14	Config: RCV: Parms:		
19922	M1O	04-014/22:00:00.0	14	Config: TLM: DC= 3700, IC1=S, IC2=2, IC3=CCSDS, OC1=B, OC2=S		
19923	M1O	04-014/22:00:00.0	14	Config: TGC: BAND=X, SR=221200.000000		
19924	M1O	04-014/22:00:00.0	14	Config: TXL		
19925	M1O	04-014/22:00:00.0	14	Config: UWV: AMP=XHEMT, MODE=DIPLEX, POL_UL=RCP, POL_DL=RCP		
19926	M1O	04-014/22:00:00.0	14	Config: CMD		
19927	M1O	04-014/22:00:00.0	14	Config: D/L RNG: CHOP=E, MDL=SIN, DRVD=0		
19928	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
19929	M1O	04-014/22:01:21.0		Starts execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_START	04-014/21:51:04.1
19930	M1O	04-014/22:01:22.0		Forces a desaturation of the reaction wheels.	RW_DESAT	04-014/21:51:05.1
19931	M1O	04-014/22:04:35.9		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-014/21:54:19.0
19932	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
19933	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
19934	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
19935	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
19936	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
19937	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
19938	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
19939	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		
19940	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
19941	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		
19942	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
19943	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
19944	M1O	04-014/22:12:14.7	63	D/L RF Warning: SC antenna change - expect signal level variation		
19945	M1O	04-014/22:12:15.7		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-014/22:01:58.8
19946	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		
19947	M1O	04-014/22:12:52.0		CALL, Engine = , Parameters = FALSE	park_hga	04-014/22:02:35.1
19948	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
19949	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
19950	M1O	04-014/22:12:54.0		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-014/22:02:37.1
19951	M1O	04-014/22:12:54.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-014/22:02:37.1
19952	M1O	04-014/22:12:54.0		NOTE: START HGA PARK		
19953	M1O	04-014/22:12:54.0	63	NOTE: Loss Of X-Band Signal		
19954	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
19955	M1O	04-014/22:12:56.0		Move the specified appendage o the specified gimbal angles unless inhibited by	APPNDG_GOTO_POS	04-014/22:02:39.1

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
				softstops.: HGA, -87, -87		
19956	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
19957	M1O	04-014/22:17:38.0		NOTE: South Pole Crossing 9249		04-014/22:07:21.0
19958	M1O	04-014/22:17:47.5		NOTE: Periapsis 9249 ----------		04-014/22:07:30.6
19959	M1O	04-014/22:20:56.0		Commands the appendage to an idle state.: HGA	APPNDG_IDLE	04-014/22:10:39.1
19960	M1O	04-014/22:20:56.0		WAIT expression: GV::GV_DESAT_ACTIVE == TRUE_VM_CONST	WAIT	04-014/22:10:39.1
19961	M1O	04-014/22:45:34.0		NOTE: Enter Solar Eclipse 9249		04-014/22:35:17.0
19962	M1O	04-014/22:46:55.8		NOTE: Ascending Node Crossing 9249		04-014/22:36:38.7
19963	M1O	04-014/22:50:56.0		GV: GV_DESAT_ACTIVE = 1		04-014/22:40:39.0
19964	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
19965	M1O	04-014/22:50:57.0		WAIT expression: GV::GV_DESAT_ACTIVE == FALSE_VM_CONST	WAIT	04-014/22:40:40.0
19966	M1O	04-014/23:00:00.0	14	Begin Tracking		
19967	M1O	04-014/23:00:56.1		GV: GV_DESAT_ACTIVE = 0		04-014/22:50:39.0
19968	M1O	04-014/23:00:57.1		Initializes the telemetry software object with the contents of the specified file.: d:/tlm/tlm_rate_desat_stop.cfg	CHAN_APID_CONFIG	04-014/22:50:40.0
19969	M1O	04-014/23:00:58.1		Stops execution of FSW objects.: AHRAC_DESAT_NOM	FSW_OBJ_STOP	04-014/22:50:41.0
19970	M1O	04-014/23:00:59.1		CALL, Engine = , Parameters =	unpark_hga	04-014/22:50:42.0
19971	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
19972	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
19973	M1O	04-014/23:04:33.5		NOTE: Exit Solar Eclipse 9249		04-014/22:54:16.4
19974	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
19975	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
19976	M1O	04-014/23:08:56.1		SPAWN, Engine = 65535, Parameters = 00:27:55.066	cstr	04-014/22:58:39.0
19977	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
19978	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
19979	M1O	04-014/23:08:58.2		Assigns the command uplink rate.: 125_BPS	UPLINK_RATE	04-014/22:58:41.1
19980	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
19981	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
19982	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
19983	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
19984	M1O	04-014/23:09:31.1		NOTE: EXIT HGA PARK		
19985	M1O	04-014/23:09:31.1	14	Acquisition Of X-Band Signal		
19986	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		
19987	M1O	04-014/23:09:31.1	63	Acquisition Of X-Band Signal		
19988	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		
19989	M1O	04-014/23:10:20.1		NOTE: ENTER HGA KEEP OUT ZONE		
19990	M1O	04-014/23:10:20.1	14	NOTE: Loss Of X-Band Signal		
19991	M1O	04-014/23:10:20.1	63	NOTE: Loss Of X-Band Signal		
19992	M1O	04-014/23:11:43.0	14	Acquire U/L: X/08, PWR=20.0, BR=125.0		
19993	M1O	04-014/23:16:12.1		NOTE: Enter Planetary Atmosphere 9249		04-014/23:05:55.0
19994	M1O	04-014/23:16:43.0	14	Range Modulation On: SUP=3.0dB		
19995	M1O	04-014/23:16:55.0		NOTE: North Pole Crossing 9249		04-014/23:06:37.9
19996	M1O	04-014/23:17:28.8		NOTE: Apoapsis 9249 - - -

ITEM	S/C	GND TIME (GMT)	STN	ACTIVITY/EVENT DESCRIPTION	CMD	SCET
19998	M1O	04-014/23:18:18.3		NOTE: Enter Earth Occultation 9249		04-014/23:08:01.2
19999	M1O	04-014/23:18:26.0	63	NOTE: Below Uplink Interlock Limit		
20000	M1O	04-014/23:20:00.0	63	End Tracking		
20001	M1O	04-014/23:23:20.1		NOTE: EXIT HGA KEEP OUT ZONE		
20002	M1O	04-014/23:31:45.0		NOTE: Exit Earth Occultation 9249		04-014/23:21:27.8
20003	M1O	04-014/23:31:45.0	14	Acquisition Of X-Band Signal		
20004	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		
20005	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		
20006	M1O	04-014/23:33:39.5	14	NOTE: X-Band Transmitter Off in 15 minutes		
20007	M1O	04-014/23:33:52.5		NOTE: Exit Planetary Atmosphere 9249		04-014/23:23:35.3
20008	M1O	04-014/23:35:00.0	63	End Post-Cal		
20009	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
20010	M1O	04-014/23:37:16.3		Initializes the identified object using the specified files.: DWN_DPT, d:/cfg/dwn_dpt_sci.cfg,	FSW_OBJ_INITIAL	04-014/23:26:59.1
20011	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		
20012	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
20013	M1O	04-014/23:43:40.0	14	Range Modulation Off		
20014	M1O	04-014/23:46:55.1		NOTE: Descending Node Crossing 9250		04-014/23:36:37.8
20015	M1O	04-014/23:48:39.5	14	X-Band Transmitter Off		
20016	M1O	04-015/00:00:00.0		Light Time: OWLT = 10:17, RTLT = 20:34		
20017	M1O	04-015/00:01:01.2		SPAWN, Engine = 65535, Parameters = 48, 00:07:00, FALSE	cend	04-014/23:50:44.0
20018	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
20019	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
20020	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
20021	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
20022	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
20023	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
20024	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
20025	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		
20026	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
20027	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		
20028	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
20029	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
20030	M1O	04-015/00:08:40.1	14	D/L RF Warning: SC antenna change - expect signal level variation		
20031	M1O	04-015/00:08:41.1		Assigns the command uplink rate.: 7_8125_BPS	UPLINK_RATE	04-014/23:58:23.8
20032	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		
20033	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
20034	M1O	04-015/00:16:13.3		NOTE: South Pole Crossing 9250		04-015/00:05:56.0
20035	M1O	04-015/00:16:30.2		NOTE: Periapsis 9250 ----------		04-015/00:06:12.8